

Suppl. Table X: Exon array results for cells treated with TNF- α +IFN- γ for 24h

Probe Set ID	Transcript Cluster ID	exon_id	Gene Title	Gene Symbol	Entrez Gene ID	Splicing Index	Up/Down
5709365	7098544	1123986	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	1,48	down
6009478	7098544	1123987	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	1,23	up
6115857	7098544	1123989	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	1,49	up
6147486	7098544	1123990	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	1,16	up
6196405	7098544	1123988	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	1,05	down
6381908	7098544	1123985	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	1,48	down
6448471	7098544	1123991	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	1,63	up
6695587	7098544	1123991	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	2,02	down
6737496	7098544	1123991	2'-5' oligoadenylate synthetase 1I	Oas1i	304507	2,15	up
5672696	7102456	1133681	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,23	down
5769351	7102456	1133680	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,33	down
5786554	7102456	1133677	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,59	up
5864118	7102456	1133678	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	2,50	up
5973989	7102456	1133676	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,27	up
6604582	7102456	1133676	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,54	up
6638916	7102456	1133679	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,08	down
6725783	7102456	1133681	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,23	up
5620428	7098547	1123999	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,23	up
5879969	7098547	1123996	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,60	up
5937137	7098547	1124001	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,80	down
6236607	7098547	1124000	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	2,08	down
6275519	7098547	1124003	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,65	down
6390640	7098547	1124002	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,65	down
6426242	7098547	1123998	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	4,92	up
6542543	7098547	1123997	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	3,15	up
5747176	7102451	1133666	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,84	up
5775546	7102451	1133668	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,54	down
6063513	7102451	1133670	2-5 oligoadenylate synthetase 1B	Oas1b	246268	2,50	up
6091554	7102451	1133671	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,03	up
6346138	7102451	1133666	2-5 oligoadenylate synthetase 1B	Oas1b	246268	2,35	down
6358784	7102451	1133667	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,01	up
6724804	7102451	1133669	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,34	up
5651934	7103001	1135104	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	7,78	down
5656665	7103001	1135104	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,68	up
6056295	7103001	1135098	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	2,11	up
6215854	7103001	1135101	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,34	up
6435093	7103001	1135103	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,94	down
6486269	7103001	1135100	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,17	down
6563387	7103001	1135099	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,04	up
6615309	7103001	1135102	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,21	up
5733611	7103432	1136214	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,40	up
5854719	7103432	1136216	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,09	up
6108591	7103432	1136215	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,55	up
6127610	7103432	1136212	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,60	down
6172069	7103432	1136221	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	2,08	down
6218833	7103432	1136212	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,23	down
6251715	7103432	1136218	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,61	down
6252603	7103432	1136219	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,68	up
6328359	7103432	1136220	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,95	down
6337497	7103432	1136213	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	2,52	up
6517825	7103432	1136222	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,66	down
6564864	7103432	1136213	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,13	down
6701470	7103432	1136217	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	2,02	down

5644169	7102992	1135089	2'-5'-oligoadenylate synthetase-like	Oasl	304545	2,00	down
5879021	7102992	1135088	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,42	up
5903505	7102992	1135084	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,24	down
5975456	7102992	1135089	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,91	up
6072279	7102992	1135087	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,65	up
6135576	7102992	1135084	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,38	down
6237389	7102992	1135086	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,53	up
6364778	7102992	1135083	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,58	down
6482496	7102992	1135085	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,29	up
5621988	7279207	1571051	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,13	up
5924895	7279207	1571052	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,06	down
5939630	7279207	1571053	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,28	down
6197080	7279207	1571051	3-oxoacid CoA transferase 2A	Oxct2a	366463	2,42	down
6238512	7279207	1571051	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,67	up
5637417	7084999	1090713	5-azacytidine induced 1	Azi1	360672	1,31	up
5640317	7084999	1090711	5-azacytidine induced 1	Azi1	360672	1,02	down
5794941	7084999	1090718	5-azacytidine induced 1	Azi1	360672	1,12	up
5862069	7084999	1090724	5-azacytidine induced 1	Azi1	360672	1,08	up
5866981	7084999	1090705	5-azacytidine induced 1	Azi1	360672	1,31	up
5930863	7084999	1090722	5-azacytidine induced 1	Azi1	360672	1,38	up
5955229	7084999	1090715	5-azacytidine induced 1	Azi1	360672	2,77	up
5975956	7084999	1090708	5-azacytidine induced 1	Azi1	360672	1,10	up
6051163	7084999	1090714	5-azacytidine induced 1	Azi1	360672	1,14	up
6056167	7084999	1090707	5-azacytidine induced 1	Azi1	360672	1,40	up
6075562	7084999	1090709	5-azacytidine induced 1	Azi1	360672	1,06	down
6125000	7084999	1090702	5-azacytidine induced 1	Azi1	360672	1,29	down
6165196	7084999	1090712	5-azacytidine induced 1	Azi1	360672	1,78	down
6201459	7084999	1090703	5-azacytidine induced 1	Azi1	360672	1,60	down
6230865	7084999	1090716	5-azacytidine induced 1	Azi1	360672	1,10	up
6254775	7084999	1090719	5-azacytidine induced 1	Azi1	360672	1,06	down
6293849	7084999	1090710	5-azacytidine induced 1	Azi1	360672	1,03	up
6386356	7084999	1090717	5-azacytidine induced 1	Azi1	360672	1,27	down
6460877	7084999	1090699	5-azacytidine induced 1	Azi1	360672	1,09	up
6472637	7084999	1090704	5-azacytidine induced 1	Azi1	360672	1,29	up
6472732	7084999	1090700	5-azacytidine induced 1	Azi1	360672	1,43	up
6527965	7084999	1090720	5-azacytidine induced 1	Azi1	360672	1,17	down
6580232	7084999	1090701	5-azacytidine induced 1	Azi1	360672	1,05	down
6605269	7084999	1090698	5-azacytidine induced 1	Azi1	360672	1,02	up
6658260	7084999	1090706	5-azacytidine induced 1	Azi1	360672	1,35	down
6662323	7084999	1090721	5-azacytidine induced 1	Azi1	360672	1,04	up
6677101	7084999	1090724	5-azacytidine induced 1	Azi1	360672	1,46	up
6742768	7084999	1090704	5-azacytidine induced 1	Azi1	360672	2,15	down
5669460	7154584	1262121	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,21	down
5697838	7154584	1262109	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,20	down
5711692	7154584	1262113	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,01	up
5720087	7154584	1262115	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,10	down
5730998	7154584	1262105	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,78	up
5781411	7154584	1262117	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,18	up
5875782	7154584	1262106	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,05	up
6005324	7154584	1262113	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,05	down
6248099	7154584	1262119	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,60	up
6407482	7154584	1262111	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,05	up
6455025	7154584	1262122	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,16	up
6488624	7154584	1262110	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,15	up
6495892	7154584	1262106	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	2,17	down
6504485	7154584	1262112	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,07	up

6567969	7154584	1262119	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,85	down
6638684	7154584	1262116	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,17	up
6690693	7154584	1262118	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,49	up
5648566	7159665	1274311	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,54	up
5666908	7159665	1274315	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,76	up
5670352	7159665	1274319	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,36	up
5688951	7159665	1274316	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,01	up
5700872	7159665	1274314	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,21	up
5737247	7159665	1274307	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,32	down
5789613	7159665	1274308	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,36	up
5889366	7159665	1274306	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,62	down
5942631	7159665	1274306	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,71	down
6115158	7159665	1274322	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	3,08	down
6129802	7159665	1274312	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,71	up
6152977	7159665	1274318	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	2,50	up
6181114	7159665	1274321	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,84	down
6216325	7159665	1274317	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,05	down
6228567	7159665	1274320	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	2,12	down
6263159	7159665	1274323	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,49	down
6287777	7159665	1274313	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,63	up
6504948	7159665	1274310	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,67	down
6523159	7159665	1274309	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,22	up
5724964	7345424	1733746	6-pyruvoyl-tetrahydropterin synthase	Pts	29498	1,01	up
5772334	7345424	1733746	6-pyruvoyl-tetrahydropterin synthase	Pts	29498	1,47	up
5845781	7345424	1733742	6-pyruvoyl-tetrahydropterin synthase	Pts	29498	1,25	up
5868808	7345424	1733741	6-pyruvoyl-tetrahydropterin synthase	Pts	29498	1,20	down
6086392	7345424	1733743	6-pyruvoyl-tetrahydropterin synthase	Pts	29498	1,26	up
6107708	7345424	1733744	6-pyruvoyl-tetrahydropterin synthase	Pts	29498	1,14	up
6342636	7345424	1733745	6-pyruvoyl-tetrahydropterin synthase	Pts	29498	2,50	down
5635825	7038734	982368	7-dehydrocholesterol reductase	Dhcr7	64191	1,16	down
6283441	7038734	982363	7-dehydrocholesterol reductase	Dhcr7	64191	2,20	up
6341321	7038734	982366	7-dehydrocholesterol reductase	Dhcr7	64191	1,03	down
6352837	7038734	982370	7-dehydrocholesterol reductase	Dhcr7	64191	1,17	up
6382993	7038734	982372	7-dehydrocholesterol reductase	Dhcr7	64191	1,36	down
6450350	7038734	982364	7-dehydrocholesterol reductase	Dhcr7	64191	1,12	up
6462128	7038734	982371	7-dehydrocholesterol reductase	Dhcr7	64191	1,20	up
6551640	7038734	982367	7-dehydrocholesterol reductase	Dhcr7	64191	1,09	up
6632457	7038734	982365	7-dehydrocholesterol reductase	Dhcr7	64191	1,06	down
6678885	7038734	982369	7-dehydrocholesterol reductase	Dhcr7	64191	1,05	up
5620539	7267380	1540449	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,22	up
5654537	7267380	1540434	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,01	down
5666520	7267380	1540391	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,25	down
5687431	7267380	1540392	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,11	down
5698615	7267380	1540435	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,14	up
5709406	7267380	1540389	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,01	down
5757498	7267380	1540431	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,12	down
5764048	7267380	1540421	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,36	up
5764344	7267380	1540423	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,14	down
5805067	7267380	1540448	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,14	down
5806689	7267380	1540411	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,34	up
5819036	7267380	1540420	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,39	up
5843916	7267380	1540419	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,03	up
5889023	7267380	1540401	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,03	up
5889405	7267380	1540449	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,22	down
5899429	7267380	1540385	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,06	up
5905958	7267380	1540450	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,21	up

5979583	7267380	1540422	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,04	up
6015108	7267380	1540409	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,02	down
6030011	7267380	1540417	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,96	up
6034156	7267380	1540401	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,41	up
6051617	7267380	1540409	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,43	up
6065162	7267380	1540437	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,02	down
6086847	7267380	1540427	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,02	down
6093414	7267380	1540382	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,10	down
6117423	7267380	1540394	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,00	down
6154869	7267380	1540413	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,02	up
6184195	7267380	1540382	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,10	down
6197822	7267380	1540390	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,23	down
6222419	7267380	1540425	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,29	up
6227732	7267380	1540410	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,07	up
6255735	7267380	1540405	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,33	down
6290433	7267380	1540427	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,05	down
6318559	7267380	1540438	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,00	down
6324502	7267380	1540414	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,02	down
6380179	7267380	1540406	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,07	up
6383731	7267380	1540398	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,14	up
6419435	7267380	1540409	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,33	down
6447913	7267380	1540425	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,02	down
6498275	7267380	1540398	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,14	up
6508891	7267380	1540416	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,36	down
6510785	7267380	1540451	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,19	down
6516805	7267380	1540402	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,04	up
6570546	7267380	1540395	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,00	up
6577018	7267380	1540393	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,74	up
6619930	7267380	1540416	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,25	up
6630892	7267380	1540424	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,03	up
6661246	7267380	1540398	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,37	down
6668347	7267380	1540436	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,01	down
6685006	7267380	1540440	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,45	down
6686524	7267380	1540417	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,04	up
6711985	7267380	1540451	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,04	down
6714183	7267380	1540402	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,53	down
6746738	7267380	1540414	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type	Adamts9	312566	1,30	down
5916080	7026578	952719	A kinase (PRKA) anchor protein 12	Akap12	83425	1,80	up
6018267	7026578	952718	A kinase (PRKA) anchor protein 12	Akap12	83425	1,21	up
6039369	7026578	952718	A kinase (PRKA) anchor protein 12	Akap12	83425	1,35	up
6089645	7026578	952713	A kinase (PRKA) anchor protein 12	Akap12	83425	1,67	down
6165531	7026578	952718	A kinase (PRKA) anchor protein 12	Akap12	83425	1,50	down
6272205	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,00	up
6283187	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,56	up
6313994	7026578	952715	A kinase (PRKA) anchor protein 12	Akap12	83425	1,54	down
6379541	7026578	952716	A kinase (PRKA) anchor protein 12	Akap12	83425	1,94	down
6396395	7026578	952713	A kinase (PRKA) anchor protein 12	Akap12	83425	2,12	down
6427730	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,57	up
6565976	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,18	down
6567780	7026578	952715	A kinase (PRKA) anchor protein 12	Akap12	83425	2,08	down
6635629	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,14	down
6680764	7026578	952714	A kinase (PRKA) anchor protein 12	Akap12	83425	1,34	down
5653344	7275485	1561235	A kinase (PRKA) anchor protein 2	Akap2	298024	1,09	up
5720544	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,81	down
5734643	7275485	1561232	A kinase (PRKA) anchor protein 2	Akap2	298024	1,21	up
5803797	7275485	1561234	A kinase (PRKA) anchor protein 2	Akap2	298024	1,11	up

5945636	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,81	down
6010770	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,93	down
6050343	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,13	up
6063099	7275485	1561232	A kinase (PRKA) anchor protein 2	Akap2	298024	3,19	up
6126581	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,30	down
6190223	7275485	1561231	A kinase (PRKA) anchor protein 2	Akap2	298024	2,55	down
6227700	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,39	up
6592868	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,46	up
6679373	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,02	up
5625357	7224166	1432685	absent in melanoma 1	Aim1	309866	2,06	up
5653783	7224166	1432661	absent in melanoma 1	Aim1	309866	1,00	down
5668742	7224166	1432679	absent in melanoma 1	Aim1	309866	1,38	up
5668816	7224166	1432668	absent in melanoma 1	Aim1	309866	1,10	down
5756420	7224166	1432669	absent in melanoma 1	Aim1	309866	1,07	down
5847911	7224166	1432675	absent in melanoma 1	Aim1	309866	1,28	up
6025526	7224166	1432667	absent in melanoma 1	Aim1	309866	1,03	down
6061286	7224166	1432661	absent in melanoma 1	Aim1	309866	1,72	down
6074802	7224166	1432671	absent in melanoma 1	Aim1	309866	1,05	up
6093803	7224166	1432684	absent in melanoma 1	Aim1	309866	1,22	down
6098911	7224166	1432665	absent in melanoma 1	Aim1	309866	1,49	up
6178934	7224166	1432671	absent in melanoma 1	Aim1	309866	1,02	down
6287498	7224166	1432672	absent in melanoma 1	Aim1	309866	1,16	down
6291922	7224166	1432664	absent in melanoma 1	Aim1	309866	1,36	up
6314742	7224166	1432673	absent in melanoma 1	Aim1	309866	1,11	down
6329187	7224166	1432680	absent in melanoma 1	Aim1	309866	1,46	up
6329238	7224166	1432678	absent in melanoma 1	Aim1	309866	1,39	down
6371298	7224166	1432684	absent in melanoma 1	Aim1	309866	1,11	up
6386044	7224166	1432685	absent in melanoma 1	Aim1	309866	1,85	up
6473292	7224166	1432666	absent in melanoma 1	Aim1	309866	1,03	down
6606730	7224166	1432670	absent in melanoma 1	Aim1	309866	1,36	up
6700470	7224166	1432682	absent in melanoma 1	Aim1	309866	1,16	down
6723675	7224166	1432681	absent in melanoma 1	Aim1	309866	1,16	up
5656104	7070578	1057650	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,27	up
5664127	7070578	1057640	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,79	down
5670068	7070578	1057687	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,14	up
5675284	7070578	1057667	acetyl-coenzyme A carboxylase alpha	Acaca	60581	2,01	down
5682562	7070578	1057685	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,00	down
5684970	7070578	1057663	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,34	up
5688446	7070578	1057680	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,44	down
5716308	7070578	1057646	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,29	down
5763710	7070578	1057661	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,10	up
5780987	7070578	1057664	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,26	up
5788556	7070578	1057676	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,06	down
5796594	7070578	1057648	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,41	up
5823086	7070578	1057665	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,22	up
5846180	7070578	1057686	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,12	down
5849919	7070578	1057653	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,37	down
5850235	7070578	1057681	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,06	down
5859689	7070578	1057636	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,26	up
5868315	7070578	1057652	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,15	up
5868921	7070578	1057687	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,03	up
5890800	7070578	1057672	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,09	down
5956967	7070578	1057683	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,13	down
5972453	7070578	1057668	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,02	up
5985332	7070578	1057655	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,30	up
6039940	7070578	1057670	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,22	up

6053186	7070578	1057658	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,02	up
6068954	7070578	1057639	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,27	down
6069279	7070578	1057674	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,02	down
6097459	7070578	1057660	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,08	down
6156403	7070578	1057635	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,04	up
6157178	7070578	1057677	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,52	down
6175024	7070578	1057644	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,05	down
6199415	7070578	1057657	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,01	up
6233634	7070578	1057666	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,22	up
6271453	7070578	1057675	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,20	down
6280273	7070578	1057673	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,04	down
6299965	7070578	1057662	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,03	up
6324397	7070578	1057671	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,29	down
6354068	7070578	1057649	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,05	down
6407742	7070578	1057640	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,01	up
6419249	7070578	1057647	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,17	up
6430381	7070578	1057678	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,25	down
6489591	7070578	1057659	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,04	up
6528184	7070578	1057651	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,18	down
6538769	7070578	1057638	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,43	up
6569456	7070578	1057679	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,18	down
6572132	7070578	1057643	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,16	up
6583024	7070578	1057682	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,06	up
6587582	7070578	1057656	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,10	up
6614798	7070578	1057684	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,13	up
6664006	7070578	1057645	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,28	down
6671394	7070578	1057654	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,01	up
6702267	7070578	1057642	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,09	up
6719711	7070578	1057641	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,74	up
6722456	7070578	1057637	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,12	down
6737186	7070578	1057669	acetyl-coenzyme A carboxylase alpha	Acaca	60581	1,31	up
5630153	7229963	1447341	acid phosphatase 2, lysosomal	Acp2	24162	2,71	up
5893969	7229963	1447340	acid phosphatase 2, lysosomal	Acp2	24162	1,21	down
5902847	7229963	1447345	acid phosphatase 2, lysosomal	Acp2	24162	1,07	up
5973257	7229963	1447342	acid phosphatase 2, lysosomal	Acp2	24162	1,84	down
6082247	7229963	1447344	acid phosphatase 2, lysosomal	Acp2	24162	1,21	down
6120962	7229963	1447347	acid phosphatase 2, lysosomal	Acp2	24162	1,13	down
6121654	7229963	1447345	acid phosphatase 2, lysosomal	Acp2	24162	1,24	down
6381886	7229963	1447348	acid phosphatase 2, lysosomal	Acp2	24162	1,15	up
6416213	7229963	1447343	acid phosphatase 2, lysosomal	Acp2	24162	1,44	down
6518943	7229963	1447339	acid phosphatase 2, lysosomal	Acp2	24162	1,15	up
6563748	7229963	1447346	acid phosphatase 2, lysosomal	Acp2	24162	1,03	down
6681933	7229963	1447349	acid phosphatase 2, lysosomal	Acp2	24162	1,09	up
5626403	7050655	1011011	acid phosphatase, testicular	Acpt	308569	1,00	down
5626443	7050655	1011014	acid phosphatase, testicular	Acpt	308569	1,30	up
5634014	7050655	1011005	acid phosphatase, testicular	Acpt	308569	1,03	down
5691110	7050655	1011008	acid phosphatase, testicular	Acpt	308569	1,07	down
5792785	7050655	1011013	acid phosphatase, testicular	Acpt	308569	1,23	up
5897621	7050655	1011004	acid phosphatase, testicular	Acpt	308569	1,31	up
6089727	7050655	1011006	acid phosphatase, testicular	Acpt	308569	1,37	up
6312918	7050655	1011010	acid phosphatase, testicular	Acpt	308569	1,01	up
6331974	7050655	1011010	acid phosphatase, testicular	Acpt	308569	1,16	up
6486727	7050655	1011004	acid phosphatase, testicular	Acpt	308569	1,08	down
6493444	7050655	1011006	acid phosphatase, testicular	Acpt	308569	1,11	up
6505718	7050655	1011003	acid phosphatase, testicular	Acpt	308569	1,57	up
6531251	7050655	1011013	acid phosphatase, testicular	Acpt	308569	1,57	down

6545405	7050655	1011002	acid phosphatase, testicular	Acpt	308569	1,09	up
6570668	7050655	1011009	acid phosphatase, testicular	Acpt	308569	1,03	down
6685714	7050655	1011007	acid phosphatase, testicular	Acpt	308569	1,01	up
5692997	7197027	1367770	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	1,21	down
6105888	7197027	1367769	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	1,03	down
6163548	7197027	1367772	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	2,43	down
6235551	7197027	1367771	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	1,28	up
6395308	7197027	1367768	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	1,33	up
6560527	7197027	1367770	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	1,35	down
6585695	7197027	1367767	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	1,20	down
6595071	7197027	1367766	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Anp32e	361999	1,73	up
5650865	7127103	1194293	actin binding LIM protein family, member 2	Ablim2	360958	2,23	up
5699391	7127103	1194306	actin binding LIM protein family, member 2	Ablim2	360958	1,45	up
5820231	7127103	1194297	actin binding LIM protein family, member 2	Ablim2	360958	1,21	up
5830220	7127103	1194299	actin binding LIM protein family, member 2	Ablim2	360958	1,13	down
5830969	7127103	1194300	actin binding LIM protein family, member 2	Ablim2	360958	1,21	up
5854021	7127103	1194301	actin binding LIM protein family, member 2	Ablim2	360958	1,18	up
5959460	7127103	1194296	actin binding LIM protein family, member 2	Ablim2	360958	1,67	down
6032974	7127103	1194294	actin binding LIM protein family, member 2	Ablim2	360958	1,01	up
6057062	7127103	1194299	actin binding LIM protein family, member 2	Ablim2	360958	1,06	down
6137274	7127103	1194303	actin binding LIM protein family, member 2	Ablim2	360958	1,09	up
6193571	7127103	1194292	actin binding LIM protein family, member 2	Ablim2	360958	1,42	down
6362339	7127103	1194295	actin binding LIM protein family, member 2	Ablim2	360958	1,98	up
6374131	7127103	1194302	actin binding LIM protein family, member 2	Ablim2	360958	1,11	down
6378579	7127103	1194304	actin binding LIM protein family, member 2	Ablim2	360958	1,04	down
6412100	7127103	1194305	actin binding LIM protein family, member 2	Ablim2	360958	1,04	down
6469587	7127103	1194307	actin binding LIM protein family, member 2	Ablim2	360958	1,41	up
6511931	7127103	1194298	actin binding LIM protein family, member 2	Ablim2	360958	1,32	down
6639974	7127103	1194291	actin binding LIM protein family, member 2	Ablim2	360958	1,36	up
5635809	7127099	1194280	actin filament associated protein 1	Afap1	140935	1,19	up
5718019	7127099	1194275	actin filament associated protein 1	Afap1	140935	1,09	up
5855894	7127099	1194272	actin filament associated protein 1	Afap1	140935	1,01	down
5993782	7127099	1194283	actin filament associated protein 1	Afap1	140935	1,07	down
6028501	7127099	1194278	actin filament associated protein 1	Afap1	140935	1,23	up
6125604	7127099	1194272	actin filament associated protein 1	Afap1	140935	1,79	up
6170995	7127099	1194286	actin filament associated protein 1	Afap1	140935	1,76	down
6207579	7127099	1194277	actin filament associated protein 1	Afap1	140935	1,72	up
6258272	7127099	1194285	actin filament associated protein 1	Afap1	140935	1,08	up
6266233	7127099	1194285	actin filament associated protein 1	Afap1	140935	1,11	up
6372159	7127099	1194287	actin filament associated protein 1	Afap1	140935	1,41	down
6524269	7127099	1194276	actin filament associated protein 1	Afap1	140935	1,22	down
6534861	7127099	1194284	actin filament associated protein 1	Afap1	140935	1,07	up
6536119	7127099	1194279	actin filament associated protein 1	Afap1	140935	1,37	up
6579224	7127099	1194273	actin filament associated protein 1	Afap1	140935	1,03	up
6621932	7127099	1194282	actin filament associated protein 1	Afap1	140935	1,10	up
6629716	7127099	1194281	actin filament associated protein 1	Afap1	140935	1,62	down
6644822	7127099	1194271	actin filament associated protein 1	Afap1	140935	1,08	down
6651972	7127099	1194274	actin filament associated protein 1	Afap1	140935	2,13	down
5622270	7243253	1481233	actin, alpha, cardiac muscle 1	Actc1	29275	1,13	down
5659483	7243253	1481235	actin, alpha, cardiac muscle 1	Actc1	29275	1,16	down
6045991	7243253	1481233	actin, alpha, cardiac muscle 1	Actc1	29275	1,18	down
6163375	7243253	1481232	actin, alpha, cardiac muscle 1	Actc1	29275	1,01	up
6223516	7243253	1481231	actin, alpha, cardiac muscle 1	Actc1	29275	1,12	up
6276633	7243253	1481234	actin, alpha, cardiac muscle 1	Actc1	29275	1,16	down
6291293	7243253	1481236	actin, alpha, cardiac muscle 1	Actc1	29275	1,07	up
6309726	7243253	1481236	actin, alpha, cardiac muscle 1	Actc1	29275	1,71	down

6318563	7243253	1481235	actin, alpha, cardiac muscle 1	Actc1	29275	1,23	down
6351826	7243253	1481229	actin, alpha, cardiac muscle 1	Actc1	29275	1,36	up
6544547	7243253	1481230	actin, alpha, cardiac muscle 1	Actc1	29275	1,03	up
5689178	7064134	1041414	actin-binding LIM protein 1	Ablim1	307989	1,08	up
5808607	7064134	1041422	actin-binding LIM protein 1	Ablim1	307989	1,38	up
5827823	7064134	1041429	actin-binding LIM protein 1	Ablim1	307989	1,02	down
5953826	7064134	1041438	actin-binding LIM protein 1	Ablim1	307989	1,05	up
5989057	7064134	1041418	actin-binding LIM protein 1	Ablim1	307989	1,09	up
6042115	7064134	1041419	actin-binding LIM protein 1	Ablim1	307989	1,08	down
6105617	7064134	1041438	actin-binding LIM protein 1	Ablim1	307989	1,17	up
6220311	7064134	1041430	actin-binding LIM protein 1	Ablim1	307989	1,09	down
6223297	7064134	1041428	actin-binding LIM protein 1	Ablim1	307989	1,14	down
6339126	7064134	1041420	actin-binding LIM protein 1	Ablim1	307989	1,22	up
6391435	7064134	1041436	actin-binding LIM protein 1	Ablim1	307989	1,16	down
6463497	7064134	1041427	actin-binding LIM protein 1	Ablim1	307989	1,10	down
6549708	7064134	1041415	actin-binding LIM protein 1	Ablim1	307989	1,04	up
6687015	7064134	1041423	actin-binding LIM protein 1	Ablim1	307989	1,15	down
6692455	7064134	1041442	actin-binding LIM protein 1	Ablim1	307989	1,07	up
6741722	7064134	1041417	actin-binding LIM protein 1	Ablim1	307989	1,10	up
5637385	7159027	1272738	actinin alpha 2	Actn2	291245	1,02	down
5729278	7159027	1272737	actinin alpha 2	Actn2	291245	1,02	down
5785617	7159027	1272739	actinin alpha 2	Actn2	291245	1,09	up
5819213	7159027	1272730	actinin alpha 2	Actn2	291245	1,06	up
5843204	7159027	1272733	actinin alpha 2	Actn2	291245	1,02	up
5844822	7159027	1272726	actinin alpha 2	Actn2	291245	1,07	up
5917243	7159027	1272734	actinin alpha 2	Actn2	291245	1,01	up
5922584	7159027	1272729	actinin alpha 2	Actn2	291245	1,04	down
5947655	7159027	1272723	actinin alpha 2	Actn2	291245	2,23	up
5965731	7159027	1272727	actinin alpha 2	Actn2	291245	1,34	down
6089999	7159027	1272718	actinin alpha 2	Actn2	291245	1,19	down
6120312	7159027	1272712	actinin alpha 2	Actn2	291245	1,13	down
6133656	7159027	1272716	actinin alpha 2	Actn2	291245	1,17	up
6275047	7159027	1272728	actinin alpha 2	Actn2	291245	1,01	down
6305320	7159027	1272722	actinin alpha 2	Actn2	291245	1,04	down
6337887	7159027	1272735	actinin alpha 2	Actn2	291245	1,01	up
6350792	7159027	1272722	actinin alpha 2	Actn2	291245	1,13	down
6433237	7159027	1272720	actinin alpha 2	Actn2	291245	1,11	up
6453979	7159027	1272736	actinin alpha 2	Actn2	291245	1,45	up
6467290	7159027	1272732	actinin alpha 2	Actn2	291245	1,15	down
6516443	7159027	1272724	actinin alpha 2	Actn2	291245	1,42	down
6580137	7159027	1272717	actinin alpha 2	Actn2	291245	1,11	down
6604146	7159027	1272712	actinin alpha 2	Actn2	291245	1,26	down
6608969	7159027	1272739	actinin alpha 2	Actn2	291245	1,10	down
5744738	7059644	1030655	actinin alpha 3	Actn3	171009	1,31	up
5836889	7059644	1030651	actinin alpha 3	Actn3	171009	1,26	up
5940583	7059644	1030664	actinin alpha 3	Actn3	171009	1,40	down
6009251	7059644	1030653	actinin alpha 3	Actn3	171009	1,65	up
6018411	7059644	1030667	actinin alpha 3	Actn3	171009	2,07	up
6068642	7059644	1030665	actinin alpha 3	Actn3	171009	1,11	down
6098779	7059644	1030666	actinin alpha 3	Actn3	171009	1,23	up
6104754	7059644	1030662	actinin alpha 3	Actn3	171009	1,33	down
6113170	7059644	1030661	actinin alpha 3	Actn3	171009	1,22	up
6296912	7059644	1030650	actinin alpha 3	Actn3	171009	1,33	down
6309439	7059644	1030647	actinin alpha 3	Actn3	171009	1,03	up
6333922	7059644	1030668	actinin alpha 3	Actn3	171009	1,37	down
6393792	7059644	1030659	actinin alpha 3	Actn3	171009	1,04	down

6464756	7059644	1030657	actinin alpha 3	Actn3	171009	1,17	up
6470086	7059644	1030648	actinin alpha 3	Actn3	171009	1,00	up
6472146	7059644	1030658	actinin alpha 3	Actn3	171009	1,10	up
6489001	7059644	1030668	actinin alpha 3	Actn3	171009	1,14	down
6514072	7059644	1030652	actinin alpha 3	Actn3	171009	1,70	up
6519949	7059644	1030649	actinin alpha 3	Actn3	171009	1,10	down
6593287	7059644	1030654	actinin alpha 3	Actn3	171009	1,19	down
6650924	7059644	1030660	actinin alpha 3	Actn3	171009	1,00	up
6661592	7059644	1030656	actinin alpha 3	Actn3	171009	1,06	down
6740877	7059644	1030663	actinin alpha 3	Actn3	171009	2,04	down
5666514	7192902	1357763	actin-like 6A	Actl6a	361925	1,21	down
5783745	7192902	1357753	actin-like 6A	Actl6a	361925	1,02	down
5841337	7192902	1357757	actin-like 6A	Actl6a	361925	1,12	up
5859384	7192902	1357766	actin-like 6A	Actl6a	361925	1,90	down
5876724	7192902	1357766	actin-like 6A	Actl6a	361925	1,52	down
5886998	7192902	1357762	actin-like 6A	Actl6a	361925	1,13	down
5940955	7192902	1357751	actin-like 6A	Actl6a	361925	1,14	up
6061409	7192902	1357764	actin-like 6A	Actl6a	361925	1,33	down
6085654	7192902	1357759	actin-like 6A	Actl6a	361925	1,33	up
6306794	7192902	1357758	actin-like 6A	Actl6a	361925	1,03	up
6312803	7192902	1357749	actin-like 6A	Actl6a	361925	2,27	down
6369130	7192902	1357765	actin-like 6A	Actl6a	361925	1,06	down
6438730	7192902	1357752	actin-like 6A	Actl6a	361925	1,03	up
6603439	7192902	1357754	actin-like 6A	Actl6a	361925	1,28	up
5745613	7258176	1518214	activation-induced cytidine deaminase	aicda	399679	1,15	down
5782945	7258176	1518213	activation-induced cytidine deaminase	aicda	399679	1,01	up
5990770	7258176	1518209	activation-induced cytidine deaminase	aicda	399679	1,15	up
6055542	7258176	1518218	activation-induced cytidine deaminase	aicda	399679	1,19	up
6218045	7258176	1518211	activation-induced cytidine deaminase	aicda	399679	1,32	down
6331795	7258176	1518215	activation-induced cytidine deaminase	aicda	399679	1,01	up
6542254	7258176	1518217	activation-induced cytidine deaminase	aicda	399679	1,41	down
6690048	7258176	1518216	activation-induced cytidine deaminase	aicda	399679	2,05	down
5638684	7070140	1056519	active BCR-related gene	Abr	287537	1,08	up
5647013	7070140	1056520	active BCR-related gene	Abr	287537	1,04	up
5658902	7070140	1056517	active BCR-related gene	Abr	287537	1,20	up
5666556	7070140	1056535	active BCR-related gene	Abr	287537	1,15	up
5730083	7070140	1056534	active BCR-related gene	Abr	287537	1,16	down
5790693	7070140	1056521	active BCR-related gene	Abr	287537	1,16	down
5875425	7070140	1056515	active BCR-related gene	Abr	287537	1,32	down
6038215	7070140	1056530	active BCR-related gene	Abr	287537	1,02	down
6086723	7070140	1056500	active BCR-related gene	Abr	287537	1,12	up
6112653	7070140	1056531	active BCR-related gene	Abr	287537	1,01	down
6222851	7070140	1056481	active BCR-related gene	Abr	287537	1,11	up
6250380	7070140	1056522	active BCR-related gene	Abr	287537	1,02	down
6260934	7070140	1056513	active BCR-related gene	Abr	287537	1,01	up
6316601	7070140	1056514	active BCR-related gene	Abr	287537	1,20	down
6348329	7070140	1056503	active BCR-related gene	Abr	287537	1,23	up
6349715	7070140	1056518	active BCR-related gene	Abr	287537	1,04	up
6505012	7070140	1056512	active BCR-related gene	Abr	287537	1,00	up
6513247	7070140	1056495	active BCR-related gene	Abr	287537	1,03	down
6520465	7070140	1056533	active BCR-related gene	Abr	287537	1,00	down
6522123	7070140	1056529	active BCR-related gene	Abr	287537	1,21	down
6546936	7070140	1056532	active BCR-related gene	Abr	287537	1,03	down
6557762	7070140	1056535	active BCR-related gene	Abr	287537	1,69	up
6563437	7070140	1056495	active BCR-related gene	Abr	287537	1,25	up
6571799	7070140	1056531	active BCR-related gene	Abr	287537	1,26	down

6725943	7070140	1056506	active BCR-related gene	Abr	287537	1,01	up
6732437	7070140	1056502	active BCR-related gene	Abr	287537	1,08	down
5700747	7320875	1674491	activin A receptor type II-like 1	Acvrl1	25237	1,06	down
5887998	7320875	1674485	activin A receptor type II-like 1	Acvrl1	25237	1,04	up
5905754	7320875	1674484	activin A receptor type II-like 1	Acvrl1	25237	1,65	down
5906254	7320875	1674489	activin A receptor type II-like 1	Acvrl1	25237	1,53	down
6032294	7320875	1674496	activin A receptor type II-like 1	Acvrl1	25237	1,38	down
6038926	7320875	1674493	activin A receptor type II-like 1	Acvrl1	25237	1,14	up
6059289	7320875	1674494	activin A receptor type II-like 1	Acvrl1	25237	1,02	down
6208984	7320875	1674484	activin A receptor type II-like 1	Acvrl1	25237	1,07	down
6210692	7320875	1674495	activin A receptor type II-like 1	Acvrl1	25237	1,09	up
6254818	7320875	1674487	activin A receptor type II-like 1	Acvrl1	25237	1,05	up
6290228	7320875	1674486	activin A receptor type II-like 1	Acvrl1	25237	2,25	down
6330185	7320875	1674492	activin A receptor type II-like 1	Acvrl1	25237	1,32	up
6411582	7320875	1674488	activin A receptor type II-like 1	Acvrl1	25237	1,07	up
6461886	7320875	1674486	activin A receptor type II-like 1	Acvrl1	25237	1,65	down
6493152	7320875	1674496	activin A receptor type II-like 1	Acvrl1	25237	1,01	down
6521907	7320875	1674488	activin A receptor type II-like 1	Acvrl1	25237	1,00	up
6599185	7320875	1674496	activin A receptor type II-like 1	Acvrl1	25237	1,09	up
6619643	7320875	1674490	activin A receptor type II-like 1	Acvrl1	25237	1,18	up
6706907	7320875	1674497	activin A receptor type II-like 1	Acvrl1	25237	1,17	up
6717175	7320875	1674496	activin A receptor type II-like 1	Acvrl1	25237	1,89	down
6728727	7320875	1674496	activin A receptor type II-like 1	Acvrl1	25237	1,04	up
5845547	7320883	1674518	activin A receptor, type IB	Acvrlb	29381	1,24	up
5852692	7320883	1674512	activin A receptor, type IB	Acvrlb	29381	2,21	up
5884711	7320883	1674513	activin A receptor, type IB	Acvrlb	29381	1,22	up
6076457	7320883	1674520	activin A receptor, type IB	Acvrlb	29381	1,54	down
6337494	7320883	1674515	activin A receptor, type IB	Acvrlb	29381	1,64	down
6404497	7320883	1674519	activin A receptor, type IB	Acvrlb	29381	1,11	up
6440473	7320883	1674514	activin A receptor, type IB	Acvrlb	29381	1,28	down
6674752	7320883	1674517	activin A receptor, type IB	Acvrlb	29381	1,04	up
6717354	7320883	1674516	activin A receptor, type IB	Acvrlb	29381	1,65	up
5620080	7036197	976329	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,03	down
5659649	7036197	976338	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,12	up
5836324	7036197	976339	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,08	down
5895364	7036197	976337	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,10	down
5920896	7036197	976335	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,01	up
6063413	7036197	976328	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,30	down
6099677	7036197	976336	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	2,59	down
6142843	7036197	976327	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,13	down
6159834	7036197	976331	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,01	up
6276950	7036197	976333	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,40	up
6289944	7036197	976332	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,01	down
6375222	7036197	976334	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,11	down
6482535	7036197	976330	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,25	up
6692999	7036197	976333	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,06	up
6718134	7036197	976326	acyl-CoA synthetase medium-chain family member 2	Acsm2	246263	1,31	up
5839203	7247817	1492010	acyl-CoA thioesterase 8	Acot8	170588	1,84	down
5937196	7247817	1492006	acyl-CoA thioesterase 8	Acot8	170588	2,28	up
6001054	7247817	1492005	acyl-CoA thioesterase 8	Acot8	170588	1,14	down
6118815	7247817	1492009	acyl-CoA thioesterase 8	Acot8	170588	1,24	up
6245672	7247817	1492007	acyl-CoA thioesterase 8	Acot8	170588	1,19	down
6299947	7247817	1492010	acyl-CoA thioesterase 8	Acot8	170588	1,53	up
6475245	7247817	1492005	acyl-CoA thioesterase 8	Acot8	170588	1,32	down
6546299	7247817	1492008	acyl-CoA thioesterase 8	Acot8	170588	1,05	down
5692122	7215892	1412696	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,23	up

5851755	7215892	1412695	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,27	down
6114019	7215892	1412692	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,35	up
6118015	7215892	1412691	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,66	down
6142506	7215892	1412690	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,11	up
6245974	7215892	1412699	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,58	down
6323511	7215892	1412698	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,14	down
6413195	7215892	1412688	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,51	down
6428474	7215892	1412694	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,27	up
6539184	7215892	1412687	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	2,23	down
6626602	7215892	1412689	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,25	down
6667309	7215892	1412697	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,42	up
6712992	7215892	1412693	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Acadm	24158	1,01	down
5678804	7037519	979404	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,92	up
5738939	7037519	979405	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,04	up
5777997	7037519	979414	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,10	down
5838744	7037519	979408	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,05	down
6215752	7037519	979405	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,13	up
6501515	7037519	979407	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,03	down
6513446	7037519	979413	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,09	up
6529311	7037519	979406	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,18	down
6547286	7037519	979409	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	2,03	down
6628038	7037519	979411	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,47	down
6668716	7037519	979410	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,03	up
6699996	7037519	979412	acyl-Coenzyme A dehydrogenase, short/branched chain	Acadsb	25618	1,35	up
5647716	7146964	1243202	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,26	up
5715313	7146964	1243208	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,47	down
5797536	7146964	1243206	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,05	down
5930916	7146964	1243217	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,21	up
6043436	7146964	1243215	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,16	up
6065540	7146964	1243209	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,53	down
6098452	7146964	1243210	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,03	down
6104670	7146964	1243218	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,42	down
6280411	7146964	1243208	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,44	down
6346082	7146964	1243214	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,02	up
6352511	7146964	1243213	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,02	up
6362527	7146964	1243216	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,33	up
6395699	7146964	1243203	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,08	down
6407654	7146964	1243200	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,02	up
6423354	7146964	1243200	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,02	down
6455689	7146964	1243216	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,45	down
6460283	7146964	1243204	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	2,36	down
6464572	7146964	1243200	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,01	up
6464988	7146964	1243211	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,04	down
6565324	7146964	1243212	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,59	down
6582653	7146964	1243213	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,02	up
6610402	7146964	1243219	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,06	up
6615141	7146964	1243201	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,08	down
6659604	7146964	1243207	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,02	up
6716575	7146964	1243205	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,02	down
5736941	7170845	1301871	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	1,18	down
5811465	7170845	1301890	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,07	up
5826985	7170845	1301887	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,13	down
5852467	7170845	1301909	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,19	down
5928867	7170845	1301884	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,11	up
5937768	7170845	1301851	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,07	up

5960244	7170845	1301851	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	2,14	down
6000458	7170845	1301858	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	1,00	down
6066535	7170845	1301900	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,16	up
6108954	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,06	down
6112386	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,10	down
6221855	7170845	1301910	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,03	up
6226015	7170845	1301862	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,15	down
6334601	7170845	1301893	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,14	up
6369979	7170845	1301867	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,05	down
6370456	7170845	1301909	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,04	up
6422011	7170845	1301863	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,21	down
6431355	7170845	1301880	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,13	down
6499757	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,43	down
6506654	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,23	down
6553930	7170845	1301889	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,04	down
6563008	7170845	1301860	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,28	up
6567457	7170845	1301876	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,05	up
6606149	7170845	1301865	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,39	down
6618109	7170845	1301882	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,10	down
6631347	7170845	1301904	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,50	up
6685081	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,20	down
5619445	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,22	up
5622841	7189184	1347600	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,14	down
5624631	7189184	1347573	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,59	down
5632620	7189184	1347570	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,09	down
5660563	7189184	1347572	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	2,02	up
5675496	7189184	1347583	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,25	down
5715081	7189184	1347572	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,15	up
5725781	7189184	1347578	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,36	up
5727536	7189184	1347595	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,69	up
5840588	7189184	1347601	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	1,31	up
5864955	7189184	1347594	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,37	down
5867399	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,72	up
5911988	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,17	down
6007909	7189184	1347601	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,08	up
6026304	7189184	1347617	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,50	down
6030370	7189184	1347581	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,17	down
6046553	7189184	1347592	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,14	down
6077020	7189184	1347586	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,23	up
6117210	7189184	1347588	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,43	down
6129623	7189184	1347617	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,59	down
6155553	7189184	1347601	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,16	down
6162342	7189184	1347612	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,04	down
6178464	7189184	1347601	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	2,33	up
6255030	7189184	1347573	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,33	up
6276211	7189184	1347590	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,81	up
6298168	7189184	1347609	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,56	up
6409605	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,08	down
6418051	7189184	1347598	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,01	down
6427885	7189184	1347597	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,22	down
6454457	7189184	1347587	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,63	up
6481982	7189184	1347611	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,06	down
6524293	7189184	1347588	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,13	up
6530646	7189184	1347591	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,26	up

6622888	7189184	1347574	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,32	down
6653855	7189184	1347575	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	2,72	down
6707443	7189184	1347599	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,30	down
5739710	7334331	1705695	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,39	up
6122807	7334331	1705695	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,02	up
6152516	7334331	1705693	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,13	up
6210995	7334331	1705696	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,09	up
6223694	7334331	1705693	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,14	up
6367828	7334331	1705692	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,05	up
6381328	7334331	1705692	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,07	up
6396921	7334331	1705697	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,48	down
6428344	7334331	1705695	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,04	down
6443559	7334331	1705692	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,28	up
6503932	7334331	1705697	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,42	down
6522574	7334331	1705689	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,12	up
6674885	7334331	1705697	ADAM metallopeptidase with thrombospondin type 1 motif, 8	Adamts8	300475	1,04	up
5631440	7117187	1170121	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,12	up
5646089	7117187	1170156	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,03	up
5647148	7117187	1170133	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,03	down
5744385	7117187	1170101	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	2,24	up
5777850	7117187	1170134	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,25	up
5819989	7117187	1170156	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,19	up
5826482	7117187	1170156	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,14	down
5864065	7117187	1170146	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,02	up
5886471	7117187	1170135	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,32	down
5915280	7117187	1170149	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,17	down
5918725	7117187	1170147	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,03	up
5956792	7117187	1170136	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,49	up
5974362	7117187	1170137	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,13	down
5989489	7117187	1170104	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,07	down
6018925	7117187	1170143	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,27	down
6023370	7117187	1170149	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,07	down
6033756	7117187	1170156	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,19	up
6049550	7117187	1170131	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,17	down
6064349	7117187	1170148	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,51	up
6066101	7117187	1170136	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,21	down
6096967	7117187	1170101	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,01	up
6124494	7117187	1170140	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,01	up
6141972	7117187	1170152	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,18	up
6165743	7117187	1170101	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,24	down
6415708	7117187	1170142	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,05	down
6431263	7117187	1170108	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,00	up
6530070	7117187	1170156	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,13	down
6588210	7117187	1170101	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,06	down
6665102	7117187	1170139	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,16	down
6730019	7117187	1170138	ADAM metallopeptidase with thrombospondin type 1, motif 3	Adamts3	305253	1,08	down
5638184	7180943	1327459	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,45	down
5687229	7180943	1327466	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,10	down
5760842	7180943	1327468	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,56	down
5770665	7180943	1327447	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,09	down
5787755	7180943	1327451	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	1,05	up
5825106	7180943	1327457	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,26	down
5836494	7180943	1327467	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,08	down
5921747	7180943	1327453	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,13	up
5924718	7180943	1327452	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,23	up

5964931	7180943	1327469	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	2,84	up
5974718	7180943	1327452	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,02	up
6062326	7180943	1327454	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,36	down
6079323	7180943	1327450	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,29	up
6089128	7180943	1327457	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,11	down
6133850	7180943	1327469	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,03	down
6156399	7180943	1327458	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,06	down
6172384	7180943	1327469	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	1,02	up
6291658	7180943	1327455	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,04	up
6313737	7180943	1327462	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,02	down
6315828	7180943	1327463	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,08	down
6316899	7180943	1327461	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,20	down
6331058	7180943	1327466	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,23	up
6342903	7180943	1327465	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,02	up
6355748	7180943	1327449	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,08	down
6374013	7180943	1327460	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,35	down
6380079	7180943	1327456	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,01	down
6576647	7180943	1327469	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	1,03	up
5623421	7197638	1369573	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,57	up
5626147	7197638	1369566	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	2,45	up
5713547	7197638	1369569	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,07	down
5764210	7197638	1369572	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,03	up
5894002	7197638	1369563	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,63	down
6073954	7197638	1369574	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,09	down
6114839	7197638	1369572	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,28	down
6211462	7197638	1369564	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,07	down
6254068	7197638	1369568	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,03	up
6364364	7197638	1369563	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,14	down
6374921	7197638	1369573	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,11	up
6414032	7197638	1369570	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,17	down
6616528	7197638	1369568	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,21	up
6651249	7197638	1369563	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,07	up
6659585	7197638	1369567	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,02	down
6706977	7197638	1369573	adaptor-related protein complex 4, beta 1 subunit	Ap4b1	310746	1,23	down
5740863	7298008	1616674	adaptor-related protein complex AP-4, sigma 1	Ap4s1	366618	1,00	down
5819665	7298008	1616679	adaptor-related protein complex AP-4, sigma 1	Ap4s1	366618	1,07	down
5834144	7298008	1616675	adaptor-related protein complex AP-4, sigma 1	Ap4s1	366618	1,02	up
6099994	7298008	1616676	adaptor-related protein complex AP-4, sigma 1	Ap4s1	366618	1,05	down
6336138	7298008	1616674	adaptor-related protein complex AP-4, sigma 1	Ap4s1	366618	1,01	down
6350093	7298008	1616679	adaptor-related protein complex AP-4, sigma 1	Ap4s1	366618	1,71	down
6404445	7298008	1616674	adaptor-related protein complex AP-4, sigma 1	Ap4s1	366618	1,19	down
5715925	7255695	1511810	adducin 2 (beta)	Add2	24171	1,02	down
5812178	7255695	1511818	adducin 2 (beta)	Add2	24171	1,10	up
5913194	7255695	1511815	adducin 2 (beta)	Add2	24171	1,14	up
5963895	7255695	1511806	adducin 2 (beta)	Add2	24171	1,35	up
5983879	7255695	1511809	adducin 2 (beta)	Add2	24171	2,13	up
5985831	7255695	1511808	adducin 2 (beta)	Add2	24171	1,37	down
6089091	7255695	1511812	adducin 2 (beta)	Add2	24171	1,76	up
6158209	7255695	1511818	adducin 2 (beta)	Add2	24171	1,17	down
6252295	7255695	1511817	adducin 2 (beta)	Add2	24171	1,14	up
6355644	7255695	1511814	adducin 2 (beta)	Add2	24171	1,15	down
6434509	7255695	1511808	adducin 2 (beta)	Add2	24171	1,64	down
6498801	7255695	1511807	adducin 2 (beta)	Add2	24171	1,21	down
6515463	7255695	1511816	adducin 2 (beta)	Add2	24171	1,37	down

6565362	7255695	1511808	adducin 2 (beta)	Add2	24171	1,04	up
6566080	7255695	1511818	adducin 2 (beta)	Add2	24171	1,36	down
6629255	7255695	1511813	adducin 2 (beta)	Add2	24171	1,19	down
6643684	7255695	1511811	adducin 2 (beta)	Add2	24171	1,16	down
5701559	7063839	1040576	adducin 3 (gamma)	Add3	25230	1,01	down
5752517	7063839	1040578	adducin 3 (gamma)	Add3	25230	1,44	down
5756861	7063839	1040573	adducin 3 (gamma)	Add3	25230	1,13	down
5765015	7063839	1040571	adducin 3 (gamma)	Add3	25230	1,11	down
5792564	7063839	1040572	adducin 3 (gamma)	Add3	25230	1,26	up
5811498	7063839	1040567	adducin 3 (gamma)	Add3	25230	1,38	up
5821009	7063839	1040577	adducin 3 (gamma)	Add3	25230	1,03	down
5851608	7063839	1040570	adducin 3 (gamma)	Add3	25230	1,01	down
5874487	7063839	1040569	adducin 3 (gamma)	Add3	25230	1,02	down
5983976	7063839	1040566	adducin 3 (gamma)	Add3	25230	1,21	down
6281075	7063839	1040573	adducin 3 (gamma)	Add3	25230	1,25	up
6294318	7063839	1040574	adducin 3 (gamma)	Add3	25230	1,35	down
6436818	7063839	1040566	adducin 3 (gamma)	Add3	25230	1,35	up
6640790	7063839	1040568	adducin 3 (gamma)	Add3	25230	1,10	up
6671585	7063839	1040575	adducin 3 (gamma)	Add3	25230	1,17	up
5628466	7185622	1339215	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,10	up
5730241	7185622	1339216	adenosine deaminase, tRNA-specific 1	Adat1	690810	2,24	down
5770013	7185622	1339224	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,06	up
5927421	7185622	1339208	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,06	up
5962418	7185622	1339214	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,13	up
5989850	7185622	1339219	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,80	down
5991227	7185622	1339222	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,47	down
6004351	7185622	1339214	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,26	down
6046345	7185622	1339209	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,40	down
6160857	7185622	1339210	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,01	up
6234060	7185622	1339207	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,05	down
6375556	7185622	1339221	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,31	down
6420265	7185622	1339212	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,08	down
6435643	7185622	1339220	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,36	up
6609775	7185622	1339211	adenosine deaminase, tRNA-specific 1	Adat1	690810	1,13	down
5630337	7035439	974528	adenosine monophosphate deaminase 3	Ampd3	25095	1,12	down
5640590	7035439	974517	adenosine monophosphate deaminase 3	Ampd3	25095	1,00	up
5656838	7035439	974531	adenosine monophosphate deaminase 3	Ampd3	25095	1,03	down
5793062	7035439	974525	adenosine monophosphate deaminase 3	Ampd3	25095	1,44	up
5890536	7035439	974527	adenosine monophosphate deaminase 3	Ampd3	25095	1,35	down
5940864	7035439	974520	adenosine monophosphate deaminase 3	Ampd3	25095	1,13	down
5984708	7035439	974530	adenosine monophosphate deaminase 3	Ampd3	25095	1,85	down
5989487	7035439	974528	adenosine monophosphate deaminase 3	Ampd3	25095	1,61	up
5998261	7035439	974518	adenosine monophosphate deaminase 3	Ampd3	25095	1,35	down
6062165	7035439	974526	adenosine monophosphate deaminase 3	Ampd3	25095	1,13	up
6117587	7035439	974518	adenosine monophosphate deaminase 3	Ampd3	25095	1,51	up
6134958	7035439	974519	adenosine monophosphate deaminase 3	Ampd3	25095	1,35	up
6142147	7035439	974517	adenosine monophosphate deaminase 3	Ampd3	25095	1,99	down
6159958	7035439	974522	adenosine monophosphate deaminase 3	Ampd3	25095	2,08	down
6177078	7035439	974523	adenosine monophosphate deaminase 3	Ampd3	25095	1,18	down
6323337	7035439	974524	adenosine monophosphate deaminase 3	Ampd3	25095	1,60	up
6390974	7035439	974529	adenosine monophosphate deaminase 3	Ampd3	25095	1,03	down
6429091	7035439	974521	adenosine monophosphate deaminase 3	Ampd3	25095	1,25	up
5676370	7120827	1179311	adenylate cyclase 1 (brain)	Adcy1	305509	1,44	up
5732850	7120827	1179343	adenylate cyclase 1 (brain)	Adcy1	305509	1,63	down
5740295	7120827	1179311	adenylate cyclase 1 (brain)	Adcy1	305509	1,08	up
5837466	7120827	1179306	adenylate cyclase 1 (brain)	Adcy1	305509	1,02	down

5864537	7120827	1179301	adenylate cyclase 1 (brain)	Adcy1	305509	1,08	down
5903240	7120827	1179349	adenylate cyclase 1 (brain)	Adcy1	305509	1,53	down
5926080	7120827	1179332	adenylate cyclase 1 (brain)	Adcy1	305509	1,02	down
5971454	7120827	1179329	adenylate cyclase 1 (brain)	Adcy1	305509	1,28	down
5992479	7120827	1179349	adenylate cyclase 1 (brain)	Adcy1	305509	1,24	up
6050307	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	3,40	down
6051396	7120827	1179317	adenylate cyclase 1 (brain)	Adcy1	305509	1,34	up
6070511	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	1,64	down
6087249	7120827	1179324	adenylate cyclase 1 (brain)	Adcy1	305509	1,22	up
6114134	7120827	1179325	adenylate cyclase 1 (brain)	Adcy1	305509	1,88	up
6178534	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	1,09	down
6192535	7120827	1179334	adenylate cyclase 1 (brain)	Adcy1	305509	1,19	up
6237884	7120827	1179347	adenylate cyclase 1 (brain)	Adcy1	305509	1,81	up
6326124	7120827	1179313	adenylate cyclase 1 (brain)	Adcy1	305509	1,10	down
6380030	7120827	1179349	adenylate cyclase 1 (brain)	Adcy1	305509	1,24	up
6455171	7120827	1179328	adenylate cyclase 1 (brain)	Adcy1	305509	1,08	down
6465347	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	1,27	up
6510984	7120827	1179341	adenylate cyclase 1 (brain)	Adcy1	305509	1,08	up
6565636	7120827	1179344	adenylate cyclase 1 (brain)	Adcy1	305509	2,17	down
6664250	7120827	1179340	adenylate cyclase 1 (brain)	Adcy1	305509	1,00	down
6687466	7120827	1179327	adenylate cyclase 1 (brain)	Adcy1	305509	2,01	up
6726064	7120827	1179323	adenylate cyclase 1 (brain)	Adcy1	305509	1,33	up
5642316	7154556	1262010	adenylate cyclase 2 (brain)	Adcy2	81636	1,42	down
5652427	7154556	1262011	adenylate cyclase 2 (brain)	Adcy2	81636	1,49	up
5730406	7154556	1262000	adenylate cyclase 2 (brain)	Adcy2	81636	1,21	up
5748905	7154556	1262009	adenylate cyclase 2 (brain)	Adcy2	81636	1,40	up
5751215	7154556	1261999	adenylate cyclase 2 (brain)	Adcy2	81636	1,52	down
5758657	7154556	1261994	adenylate cyclase 2 (brain)	Adcy2	81636	1,03	up
5782099	7154556	1262002	adenylate cyclase 2 (brain)	Adcy2	81636	1,03	down
6078931	7154556	1262008	adenylate cyclase 2 (brain)	Adcy2	81636	1,26	up
6098786	7154556	1262005	adenylate cyclase 2 (brain)	Adcy2	81636	1,65	up
6109950	7154556	1262007	adenylate cyclase 2 (brain)	Adcy2	81636	1,36	down
6168070	7154556	1261995	adenylate cyclase 2 (brain)	Adcy2	81636	1,26	up
6174483	7154556	1262014	adenylate cyclase 2 (brain)	Adcy2	81636	1,01	up
6174532	7154556	1262004	adenylate cyclase 2 (brain)	Adcy2	81636	1,02	down
6184544	7154556	1262010	adenylate cyclase 2 (brain)	Adcy2	81636	1,22	down
6264286	7154556	1262001	adenylate cyclase 2 (brain)	Adcy2	81636	1,01	down
6296497	7154556	1262006	adenylate cyclase 2 (brain)	Adcy2	81636	1,40	down
6346268	7154556	1261997	adenylate cyclase 2 (brain)	Adcy2	81636	1,53	down
6354297	7154556	1262013	adenylate cyclase 2 (brain)	Adcy2	81636	2,24	down
6357465	7154556	1261998	adenylate cyclase 2 (brain)	Adcy2	81636	1,25	down
6376548	7154556	1262012	adenylate cyclase 2 (brain)	Adcy2	81636	1,07	down
6399593	7154556	1262017	adenylate cyclase 2 (brain)	Adcy2	81636	1,16	up
6407302	7154556	1261996	adenylate cyclase 2 (brain)	Adcy2	81636	1,03	up
6441912	7154556	1261997	adenylate cyclase 2 (brain)	Adcy2	81636	1,01	up
6465911	7154556	1261993	adenylate cyclase 2 (brain)	Adcy2	81636	1,00	up
6494566	7154556	1262014	adenylate cyclase 2 (brain)	Adcy2	81636	1,01	up
6511399	7154556	1262016	adenylate cyclase 2 (brain)	Adcy2	81636	1,08	up
6519041	7154556	1262003	adenylate cyclase 2 (brain)	Adcy2	81636	1,32	down
6639579	7154556	1262015	adenylate cyclase 2 (brain)	Adcy2	81636	1,53	up
5714837	7277738	1567147	adenylate kinase 3-like 1	Ak311	29223	1,07	down
5774829	7277738	1567144	adenylate kinase 3-like 1	Ak311	29223	1,02	up
5952112	7277738	1567149	adenylate kinase 3-like 1	Ak311	29223	1,95	down
6214954	7277738	1567148	adenylate kinase 3-like 1	Ak311	29223	1,29	up
6439364	7277738	1567143	adenylate kinase 3-like 1	Ak311	29223	2,88	down
6586292	7277738	1567147	adenylate kinase 3-like 1	Ak311	29223	1,67	down

6629164	7277738	1567145	adenylate kinase 3-like 1	Ak311	29223	1,42	up
6746468	7277738	1567146	adenylate kinase 3-like 1	Ak311	29223	1,32	up
5732398	7335147	1707477	adipocyte-specific adhesion molecule	Asam	286939	1,08	down
5837598	7335147	1707482	adipocyte-specific adhesion molecule	Asam	286939	1,07	up
5877174	7335147	1707480	adipocyte-specific adhesion molecule	Asam	286939	1,24	up
5908508	7335147	1707475	adipocyte-specific adhesion molecule	Asam	286939	1,05	up
6009477	7335147	1707479	adipocyte-specific adhesion molecule	Asam	286939	1,09	up
6085884	7335147	1707481	adipocyte-specific adhesion molecule	Asam	286939	1,07	up
6147891	7335147	1707478	adipocyte-specific adhesion molecule	Asam	286939	1,11	down
6163774	7335147	1707482	adipocyte-specific adhesion molecule	Asam	286939	1,23	down
6299142	7335147	1707481	adipocyte-specific adhesion molecule	Asam	286939	1,10	down
6366836	7335147	1707475	adipocyte-specific adhesion molecule	Asam	286939	1,73	up
6424760	7335147	1707482	adipocyte-specific adhesion molecule	Asam	286939	1,20	down
6537809	7335147	1707482	adipocyte-specific adhesion molecule	Asam	286939	1,43	down
6646047	7335147	1707476	adipocyte-specific adhesion molecule	Asam	286939	1,33	down
6707539	7335147	1707482	adipocyte-specific adhesion molecule	Asam	286939	1,02	up
6719734	7335147	1707475	adipocyte-specific adhesion molecule	Asam	286939	2,55	down
5767839	7369781	1795028	ADP-ribosylation factor-like 13B	Arl13b	304037	1,24	up
5879365	7369781	1795030	ADP-ribosylation factor-like 13B	Arl13b	304037	1,72	down
5972866	7369781	1795031	ADP-ribosylation factor-like 13B	Arl13b	304037	1,10	down
6088616	7369781	1795038	ADP-ribosylation factor-like 13B	Arl13b	304037	1,08	down
6150860	7369781	1795038	ADP-ribosylation factor-like 13B	Arl13b	304037	1,05	down
6223895	7369781	1795025	ADP-ribosylation factor-like 13B	Arl13b	304037	1,01	down
6314542	7369781	1795027	ADP-ribosylation factor-like 13B	Arl13b	304037	1,07	up
6336936	7369781	1795032	ADP-ribosylation factor-like 13B	Arl13b	304037	1,01	up
6338455	7369781	1795029	ADP-ribosylation factor-like 13B	Arl13b	304037	1,13	down
6568790	7369781	1795035	ADP-ribosylation factor-like 13B	Arl13b	304037	2,19	up
6590033	7369781	1795036	ADP-ribosylation factor-like 13B	Arl13b	304037	1,29	up
5863165	7305953	1637526	ADP-ribosylation factor-like 4A	Arl4a	29308	1,61	up
5980970	7305953	1637525	ADP-ribosylation factor-like 4A	Arl4a	29308	1,32	down
6113273	7305953	1637528	ADP-ribosylation factor-like 4A	Arl4a	29308	2,05	down
6444582	7305953	1637527	ADP-ribosylation factor-like 4A	Arl4a	29308	1,26	up
6507127	7305953	1637527	ADP-ribosylation factor-like 4A	Arl4a	29308	1,27	up
6649396	7305953	1637527	ADP-ribosylation factor-like 4A	Arl4a	29308	1,10	down
5772837	7105375	1140962	ADP-ribosylation factor-like 8A	Arl8a	498234	3,99	down
5775851	7105375	1140968	ADP-ribosylation factor-like 8A	Arl8a	498234	1,05	up
5802298	7105375	1140966	ADP-ribosylation factor-like 8A	Arl8a	498234	1,01	down
5879878	7105375	1140967	ADP-ribosylation factor-like 8A	Arl8a	498234	1,21	up
6281000	7105375	1140965	ADP-ribosylation factor-like 8A	Arl8a	498234	1,23	up
6507629	7105375	1140968	ADP-ribosylation factor-like 8A	Arl8a	498234	1,09	up
6549266	7105375	1140964	ADP-ribosylation factor-like 8A	Arl8a	498234	1,06	up
6574963	7105375	1140962	ADP-ribosylation factor-like 8A	Arl8a	498234	1,42	up
6672387	7105375	1140963	ADP-ribosylation factor-like 8A	Arl8a	498234	1,27	up
5633765	7120690	1179045	AE binding protein 1	Aebp1	305494	1,05	down
5647156	7120690	1179050	AE binding protein 1	Aebp1	305494	1,36	up
5669763	7120690	1179048	AE binding protein 1	Aebp1	305494	1,32	up
5785189	7120690	1179052	AE binding protein 1	Aebp1	305494	1,11	down
5930757	7120690	1179049	AE binding protein 1	Aebp1	305494	1,01	up
5932046	7120690	1179048	AE binding protein 1	Aebp1	305494	1,09	up
6009899	7120690	1179044	AE binding protein 1	Aebp1	305494	1,22	up
6090915	7120690	1179038	AE binding protein 1	Aebp1	305494	1,07	down
6106956	7120690	1179055	AE binding protein 1	Aebp1	305494	1,11	down
6150419	7120690	1179048	AE binding protein 1	Aebp1	305494	1,06	up
6151385	7120690	1179041	AE binding protein 1	Aebp1	305494	1,37	up
6204542	7120690	1179054	AE binding protein 1	Aebp1	305494	1,09	up
6261469	7120690	1179048	AE binding protein 1	Aebp1	305494	1,06	down

6285792	7120690	1179039	AE binding protein 1	Aebp1	305494	1,31	down
6286338	7120690	1179045	AE binding protein 1	Aebp1	305494	2,21	down
6290274	7120690	1179051	AE binding protein 1	Aebp1	305494	1,80	up
6357818	7120690	1179046	AE binding protein 1	Aebp1	305494	1,21	up
6440671	7120690	1179054	AE binding protein 1	Aebp1	305494	1,32	up
6477817	7120690	1179043	AE binding protein 1	Aebp1	305494	1,01	up
6650059	7120690	1179040	AE binding protein 1	Aebp1	305494	1,04	down
6704736	7120690	1179055	AE binding protein 1	Aebp1	305494	1,10	down
6706031	7120690	1179053	AE binding protein 1	Aebp1	305494	1,05	up
6736011	7120690	1179054	AE binding protein 1	Aebp1	305494	1,27	down
6744824	7120690	1179047	AE binding protein 1	Aebp1	305494	1,24	down
5711506	7067556	1050045	AF4/FMR2 family, member 4	Aff4	303132	1,08	up
5767867	7067556	1050049	AF4/FMR2 family, member 4	Aff4	303132	2,44	down
5827562	7067556	1050033	AF4/FMR2 family, member 4	Aff4	303132	1,19	up
5842156	7067556	1050047	AF4/FMR2 family, member 4	Aff4	303132	1,21	up
5871567	7067556	1050026	AF4/FMR2 family, member 4	Aff4	303132	1,18	up
5941664	7067556	1050037	AF4/FMR2 family, member 4	Aff4	303132	1,02	up
5961661	7067556	1050027	AF4/FMR2 family, member 4	Aff4	303132	1,12	up
5986992	7067556	1050039	AF4/FMR2 family, member 4	Aff4	303132	1,10	down
6035587	7067556	1050048	AF4/FMR2 family, member 4	Aff4	303132	1,26	up
6146684	7067556	1050041	AF4/FMR2 family, member 4	Aff4	303132	1,15	up
6158820	7067556	1050027	AF4/FMR2 family, member 4	Aff4	303132	1,01	down
6193712	7067556	1050029	AF4/FMR2 family, member 4	Aff4	303132	1,03	up
6210505	7067556	1050049	AF4/FMR2 family, member 4	Aff4	303132	1,07	down
6264856	7067556	1050046	AF4/FMR2 family, member 4	Aff4	303132	1,12	up
6282086	7067556	1050032	AF4/FMR2 family, member 4	Aff4	303132	1,08	down
6287076	7067556	1050028	AF4/FMR2 family, member 4	Aff4	303132	1,16	up
6372481	7067556	1050036	AF4/FMR2 family, member 4	Aff4	303132	1,09	down
6374902	7067556	1050027	AF4/FMR2 family, member 4	Aff4	303132	1,06	up
6430326	7067556	1050043	AF4/FMR2 family, member 4	Aff4	303132	1,07	up
6438951	7067556	1050044	AF4/FMR2 family, member 4	Aff4	303132	1,18	up
6486008	7067556	1050040	AF4/FMR2 family, member 4	Aff4	303132	1,06	up
6520080	7067556	1050037	AF4/FMR2 family, member 4	Aff4	303132	1,23	up
6540112	7067556	1050022	AF4/FMR2 family, member 4	Aff4	303132	1,13	down
6548150	7067556	1050050	AF4/FMR2 family, member 4	Aff4	303132	1,33	down
6568791	7067556	1050049	AF4/FMR2 family, member 4	Aff4	303132	1,12	down
6616817	7067556	1050035	AF4/FMR2 family, member 4	Aff4	303132	1,04	down
6646023	7067556	1050027	AF4/FMR2 family, member 4	Aff4	303132	1,05	down
6655755	7067556	1050040	AF4/FMR2 family, member 4	Aff4	303132	1,03	down
6668453	7067556	1050038	AF4/FMR2 family, member 4	Aff4	303132	1,13	down
6672570	7067556	1050048	AF4/FMR2 family, member 4	Aff4	303132	1,15	down
5640529	7293870	1605858	agrln	Agm	25592	1,12	up
5660723	7293870	1605859	agrln	Agm	25592	2,95	down
5667382	7293870	1605854	agrln	Agm	25592	1,17	down
5684722	7293870	1605880	agrln	Agm	25592	1,24	up
5698755	7293870	1605871	agrln	Agm	25592	1,20	down
5700491	7293870	1605860	agrln	Agm	25592	1,21	down
5711304	7293870	1605852	agrln	Agm	25592	1,01	down
5759961	7293870	1605859	agrln	Agm	25592	1,47	down
5778430	7293870	1605859	agrln	Agm	25592	1,07	up
5811015	7293870	1605879	agrln	Agm	25592	1,23	up
5814122	7293870	1605884	agrln	Agm	25592	4,30	down
5830467	7293870	1605872	agrln	Agm	25592	1,12	down
5839298	7293870	1605857	agrln	Agm	25592	1,03	down
5851446	7293870	1605865	agrln	Agm	25592	1,25	up
5858959	7293870	1605875	agrln	Agm	25592	1,34	up

5872636	7293870	1605864	agrin	Agm	25592	1,17	down
5895251	7293870	1605853	agrin	Agm	25592	1,40	up
5908888	7293870	1605856	agrin	Agm	25592	2,17	down
5909265	7293870	1605850	agrin	Agm	25592	1,14	down
5952972	7293870	1605851	agrin	Agm	25592	1,11	up
5957655	7293870	1605877	agrin	Agm	25592	1,20	up
5968399	7293870	1605869	agrin	Agm	25592	1,09	down
5988385	7293870	1605863	agrin	Agm	25592	1,55	up
6006194	7293870	1605858	agrin	Agm	25592	1,57	down
6020066	7293870	1605861	agrin	Agm	25592	1,57	down
6027515	7293870	1605873	agrin	Agm	25592	1,17	down
6041590	7293870	1605883	agrin	Agm	25592	1,43	down
6195123	7293870	1605849	agrin	Agm	25592	1,04	up
6272933	7293870	1605866	agrin	Agm	25592	1,30	down
6277750	7293870	1605882	agrin	Agm	25592	1,50	down
6288380	7293870	1605884	agrin	Agm	25592	2,20	down
6291195	7293870	1605874	agrin	Agm	25592	1,55	up
6292571	7293870	1605878	agrin	Agm	25592	1,08	up
6316997	7293870	1605855	agrin	Agm	25592	1,27	down
6333688	7293870	1605882	agrin	Agm	25592	1,14	down
6360333	7293870	1605878	agrin	Agm	25592	1,13	down
6390742	7293870	1605876	agrin	Agm	25592	1,02	up
6392617	7293870	1605868	agrin	Agm	25592	1,72	down
6399048	7293870	1605877	agrin	Agm	25592	1,21	up
6420669	7293870	1605848	agrin	Agm	25592	1,10	up
6462587	7293870	1605882	agrin	Agm	25592	1,15	down
6496651	7293870	1605881	agrin	Agm	25592	1,16	up
6511366	7293870	1605862	agrin	Agm	25592	1,44	down
6566305	7293870	1605871	agrin	Agm	25592	1,03	up
6598535	7293870	1605867	agrin	Agm	25592	1,00	down
6710294	7293870	1605868	agrin	Agm	25592	1,39	up
6716412	7293870	1605870	agrin	Agm	25592	1,47	up
6742736	7039589	984514	AHNAK nucleoprotein	Ahnak	191572	1,08	up
5650082	7199758	1375238	alcohol dehydrogenase 1 (class I)	Adh1	24172	2,92	down
5723540	7199758	1375235	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,04	down
5754696	7199758	1375237	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,20	up
5864245	7199758	1375237	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,86	up
6077703	7199758	1375236	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,42	up
6100515	7199758	1375239	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,11	up
6117847	7199758	1375238	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,03	down
6152639	7199758	1375240	alcohol dehydrogenase 1 (class I)	Adh1	24172	2,07	down
6178871	7199758	1375242	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,55	up
6214089	7199758	1375239	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,01	down
6225541	7199758	1375243	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,76	down
6293576	7199758	1375239	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,58	down
6434838	7199758	1375241	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,11	up
6624406	7199758	1375243	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,01	down
5627367	7059414	1030200	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,11	up
5665968	7059414	1030197	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,15	down
5791896	7059414	1030194	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,12	down
5899038	7059414	1030195	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,35	up
5920298	7059414	1030201	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	2,17	down
5922787	7059414	1030198	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,05	up
6000853	7059414	1030195	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,30	down
6091971	7059414	1030193	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,14	up
6224407	7059414	1030192	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,04	down

6386788	7059414	1030191	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,10	down
6445154	7059414	1030196	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,02	up
6454026	7059414	1030195	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,18	up
6666642	7059414	1030199	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,17	down
6710468	7059414	1030192	aldehyde dehydrogenase 3 family, member B1	Aldh3b1	309147	1,19	up
5624680	7354841	1756787	aldehyde oxidase 3	Aox3	493909	1,03	down
5646017	7354841	1756793	aldehyde oxidase 3	Aox3	493909	1,01	up
5698895	7354841	1756793	aldehyde oxidase 3	Aox3	493909	1,41	down
5761280	7354841	1756769	aldehyde oxidase 3	Aox3	493909	1,16	up
5803990	7354841	1756778	aldehyde oxidase 3	Aox3	493909	1,01	down
5804828	7354841	1756786	aldehyde oxidase 3	Aox3	493909	1,12	down
5805923	7354841	1756768	aldehyde oxidase 3	Aox3	493909	1,32	up
5826106	7354841	1756790	aldehyde oxidase 3	Aox3	493909	1,11	up
5838692	7354841	1756767	aldehyde oxidase 3	Aox3	493909	1,30	up
5847885	7354841	1756781	aldehyde oxidase 3	Aox3	493909	1,10	up
5851512	7354841	1756792	aldehyde oxidase 3	Aox3	493909	1,06	down
5863742	7354841	1756775	aldehyde oxidase 3	Aox3	493909	1,10	down
5879038	7354841	1756789	aldehyde oxidase 3	Aox3	493909	1,58	up
5881404	7354841	1756784	aldehyde oxidase 3	Aox3	493909	1,06	up
5924192	7354841	1756763	aldehyde oxidase 3	Aox3	493909	1,24	up
5928277	7354841	1756774	aldehyde oxidase 3	Aox3	493909	1,33	down
5967268	7354841	1756765	aldehyde oxidase 3	Aox3	493909	1,21	down
5986556	7354841	1756764	aldehyde oxidase 3	Aox3	493909	1,22	down
6002265	7354841	1756777	aldehyde oxidase 3	Aox3	493909	1,01	down
6067555	7354841	1756788	aldehyde oxidase 3	Aox3	493909	1,05	up
6076303	7354841	1756785	aldehyde oxidase 3	Aox3	493909	1,01	down
6118499	7354841	1756779	aldehyde oxidase 3	Aox3	493909	1,17	up
6122959	7354841	1756760	aldehyde oxidase 3	Aox3	493909	1,61	up
6187018	7354841	1756771	aldehyde oxidase 3	Aox3	493909	1,01	up
6198045	7354841	1756783	aldehyde oxidase 3	Aox3	493909	1,03	down
6210143	7354841	1756782	aldehyde oxidase 3	Aox3	493909	1,06	up
6215287	7354841	1756791	aldehyde oxidase 3	Aox3	493909	1,20	up
6319061	7354841	1756771	aldehyde oxidase 3	Aox3	493909	1,27	down
6339083	7354841	1756766	aldehyde oxidase 3	Aox3	493909	1,27	down
6395418	7354841	1756770	aldehyde oxidase 3	Aox3	493909	1,05	down
6402352	7354841	1756761	aldehyde oxidase 3	Aox3	493909	1,46	down
6466522	7354841	1756776	aldehyde oxidase 3	Aox3	493909	1,13	up
6478660	7354841	1756760	aldehyde oxidase 3	Aox3	493909	1,10	down
6485745	7354841	1756762	aldehyde oxidase 3	Aox3	493909	1,16	up
6647275	7354841	1756764	aldehyde oxidase 3	Aox3	493909	1,24	down
6663668	7354841	1756780	aldehyde oxidase 3	Aox3	493909	2,35	down
6680832	7354841	1756773	aldehyde oxidase 3	Aox3	493909	1,01	up
6713778	7354841	1756772	aldehyde oxidase 3	Aox3	493909	1,03	down
5619842	7354870	1756915	aldehyde oxidase 3-like 1	Aox3l1	316421	1,57	up
5677438	7354870	1756911	aldehyde oxidase 3-like 1	Aox3l1	316421	1,04	up
5678024	7354870	1756927	aldehyde oxidase 3-like 1	Aox3l1	316421	1,44	up
5735506	7354870	1756928	aldehyde oxidase 3-like 1	Aox3l1	316421	1,97	up
5739806	7354870	1756925	aldehyde oxidase 3-like 1	Aox3l1	316421	1,32	up
5787683	7354870	1756903	aldehyde oxidase 3-like 1	Aox3l1	316421	1,05	down
5819769	7354870	1756905	aldehyde oxidase 3-like 1	Aox3l1	316421	1,01	down
5839925	7354870	1756924	aldehyde oxidase 3-like 1	Aox3l1	316421	1,12	down
5891489	7354870	1756904	aldehyde oxidase 3-like 1	Aox3l1	316421	1,25	down
5958793	7354870	1756918	aldehyde oxidase 3-like 1	Aox3l1	316421	1,36	up
6069901	7354870	1756916	aldehyde oxidase 3-like 1	Aox3l1	316421	1,03	up
6071714	7354870	1756900	aldehyde oxidase 3-like 1	Aox3l1	316421	1,04	up
6087603	7354870	1756931	aldehyde oxidase 3-like 1	Aox3l1	316421	1,57	down

6146529	7354870	1756932	aldehyde oxidase 3-like 1	Aox31l	316421	1,02	down
6151096	7354870	1756923	aldehyde oxidase 3-like 1	Aox31l	316421	1,33	up
6263715	7354870	1756909	aldehyde oxidase 3-like 1	Aox31l	316421	1,07	down
6266810	7354870	1756906	aldehyde oxidase 3-like 1	Aox31l	316421	1,35	up
6292480	7354870	1756914	aldehyde oxidase 3-like 1	Aox31l	316421	1,12	up
6358379	7354870	1756920	aldehyde oxidase 3-like 1	Aox31l	316421	1,29	up
6371612	7354870	1756912	aldehyde oxidase 3-like 1	Aox31l	316421	1,22	up
6435451	7354870	1756913	aldehyde oxidase 3-like 1	Aox31l	316421	1,73	up
6467918	7354870	1756926	aldehyde oxidase 3-like 1	Aox31l	316421	1,06	down
6521756	7354870	1756901	aldehyde oxidase 3-like 1	Aox31l	316421	1,20	down
6522410	7354870	1756907	aldehyde oxidase 3-like 1	Aox31l	316421	1,00	down
6526460	7354870	1756921	aldehyde oxidase 3-like 1	Aox31l	316421	1,05	up
6565854	7354870	1756917	aldehyde oxidase 3-like 1	Aox31l	316421	1,04	up
6571688	7354870	1756922	aldehyde oxidase 3-like 1	Aox31l	316421	1,41	up
6578273	7354870	1756929	aldehyde oxidase 3-like 1	Aox31l	316421	1,56	down
6614186	7354870	1756898	aldehyde oxidase 3-like 1	Aox31l	316421	1,06	up
6627213	7354870	1756930	aldehyde oxidase 3-like 1	Aox31l	316421	1,08	down
6637758	7354870	1756899	aldehyde oxidase 3-like 1	Aox31l	316421	1,45	down
6638790	7354870	1756908	aldehyde oxidase 3-like 1	Aox31l	316421	1,14	up
6670970	7354870	1756910	aldehyde oxidase 3-like 1	Aox31l	316421	1,49	down
6675129	7354870	1756919	aldehyde oxidase 3-like 1	Aox31l	316421	2,17	up
6695936	7354870	1756902	aldehyde oxidase 3-like 1	Aox31l	316421	1,11	down
5636284	7252383	1503517	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,09	down
5761227	7252383	1503527	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,27	up
5850008	7252383	1503519	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,25	down
5861155	7252383	1503518	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,17	up
5898936	7252383	1503520	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,18	down
5902140	7252383	1503521	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,39	down
5980539	7252383	1503524	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,09	up
5990472	7252383	1503527	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,34	down
6375636	7252383	1503526	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,04	down
6443602	7252383	1503525	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,05	up
6464522	7252383	1503528	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,17	down
6585156	7252383	1503522	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	3,71	up
6698449	7252383	1503523	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	2,44	up
5772486	7252382	1503513	aldo-keto reductase family 1, member B8	Akr1b8	286921	3,39	up
6017805	7252382	1503512	aldo-keto reductase family 1, member B8	Akr1b8	286921	2,32	down
6061149	7252382	1503515	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,40	up
6150769	7252382	1503511	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,24	up
6406425	7252382	1503506	aldo-keto reductase family 1, member B8	Akr1b8	286921	2,00	down
6471856	7252382	1503509	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,68	up
6490386	7252382	1503514	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,72	down
6537267	7252382	1503508	aldo-keto reductase family 1, member B8	Akr1b8	286921	2,32	up
6705980	7252382	1503506	aldo-keto reductase family 1, member B8	Akr1b8	286921	2,06	down
5620261	7079963	1079466	aldolase C, fructose-bisphosphate	Aldoc	24191	1,20	down
5744327	7079963	1079471	aldolase C, fructose-bisphosphate	Aldoc	24191	1,00	up
5784578	7079963	1079464	aldolase C, fructose-bisphosphate	Aldoc	24191	2,08	down
5799929	7079963	1079472	aldolase C, fructose-bisphosphate	Aldoc	24191	1,12	up
5863486	7079963	1079467	aldolase C, fructose-bisphosphate	Aldoc	24191	1,20	up
5896112	7079963	1079466	aldolase C, fructose-bisphosphate	Aldoc	24191	1,12	up
6224654	7079963	1079468	aldolase C, fructose-bisphosphate	Aldoc	24191	1,44	up
6228939	7079963	1079465	aldolase C, fructose-bisphosphate	Aldoc	24191	1,35	down
6253599	7079963	1079469	aldolase C, fructose-bisphosphate	Aldoc	24191	1,10	up
6400427	7079963	1079470	aldolase C, fructose-bisphosphate	Aldoc	24191	1,08	up
6633146	7079963	1079471	aldolase C, fructose-bisphosphate	Aldoc	24191	1,13	up
6654150	7079963	1079464	aldolase C, fructose-bisphosphate	Aldoc	24191	1,39	up

6675067	7079963	1079465	aldolase C, fructose-bisphosphate	Aldoc	24191	1,22	down
5633651	7276905	1564807	alkaline ceramidase 2	Acer2	313339	1,41	up
5710761	7276905	1564817	alkaline ceramidase 2	Acer2	313339	1,13	down
5732634	7276905	1564817	alkaline ceramidase 2	Acer2	313339	1,19	down
5765082	7276905	1564817	alkaline ceramidase 2	Acer2	313339	1,37	up
5793428	7276905	1564813	alkaline ceramidase 2	Acer2	313339	1,06	up
5804977	7276905	1564819	alkaline ceramidase 2	Acer2	313339	1,00	up
5826680	7276905	1564817	alkaline ceramidase 2	Acer2	313339	1,22	down
5944870	7276905	1564815	alkaline ceramidase 2	Acer2	313339	1,41	down
6025509	7276905	1564819	alkaline ceramidase 2	Acer2	313339	1,20	up
6275434	7276905	1564817	alkaline ceramidase 2	Acer2	313339	1,17	up
6294471	7276905	1564812	alkaline ceramidase 2	Acer2	313339	1,37	down
6487936	7276905	1564820	alkaline ceramidase 2	Acer2	313339	1,22	up
6508480	7276905	1564817	alkaline ceramidase 2	Acer2	313339	1,09	down
6567617	7276905	1564812	alkaline ceramidase 2	Acer2	313339	2,22	up
6588963	7276905	1564807	alkaline ceramidase 2	Acer2	313339	1,53	up
6616588	7276905	1564819	alkaline ceramidase 2	Acer2	313339	1,14	up
6627301	7276905	1564817	alkaline ceramidase 2	Acer2	313339	1,19	up
6640248	7276905	1564818	alkaline ceramidase 2	Acer2	313339	1,68	down
6682170	7276905	1564809	alkaline ceramidase 2	Acer2	313339	1,47	down
5711856	7258105	1518002	alpha-1-inhibitor III	LOC297568	297568	1,11	up
5805561	7258105	1518008	alpha-1-inhibitor III	LOC297568	297568	1,70	down
5839311	7258105	1518013	alpha-1-inhibitor III	LOC297568	297568	1,10	up
5860016	7258105	1517999	alpha-1-inhibitor III	LOC297568	297568	1,00	up
6038308	7258105	1518008	alpha-1-inhibitor III	LOC297568	297568	1,23	down
6050609	7258105	1518018	alpha-1-inhibitor III	LOC297568	297568	1,00	up
6057578	7258105	1518007	alpha-1-inhibitor III	LOC297568	297568	1,28	up
6202473	7258105	1518003	alpha-1-inhibitor III	LOC297568	297568	1,02	up
6320443	7258105	1518010	alpha-1-inhibitor III	LOC297568	297568	2,01	down
6353421	7258105	1517998	alpha-1-inhibitor III	LOC297568	297568	1,87	up
6400962	7258105	1518011	alpha-1-inhibitor III	LOC297568	297568	1,00	up
6518246	7258105	1518000	alpha-1-inhibitor III	LOC297568	297568	1,05	down
6521946	7258105	1517990	alpha-1-inhibitor III	LOC297568	297568	1,93	up
6560992	7258105	1518005	alpha-1-inhibitor III	LOC297568	297568	1,25	up
6564356	7258105	1517993	alpha-1-inhibitor III	LOC297568	297568	1,33	down
5852738	7258105	1517991	alpha-1-inhibitor III /// murinoglobulin 1	_OC297568 /// Mug	297568 /// 497794	1,21	up
5980672	7258105	1517989	alpha-1-inhibitor III /// murinoglobulin 1	_OC297568 /// Mug	297568 /// 497794	1,86	up
6567765	7258105	1517992	alpha-1-inhibitor III /// murinoglobulin 1	_OC297568 /// Mug	297568 /// 497794	1,07	down
6636337	7258105	1517987	alpha-1-inhibitor III /// murinoglobulin 1	_OC297568 /// Mug	297568 /// 497794	1,16	up
6709429	7258105	1517991	alpha-1-inhibitor III /// murinoglobulin 1	_OC297568 /// Mug	297568 /// 497794	1,03	down
5641889	7258105	1517985	alpha-1-inhibitor III /// murinoglobulin 1 /// murinoglobulin 2	297568 /// Mug1 /// 568 /// 497794 /// 408	1,36	up	
5920281	7258105	1517986	alpha-1-inhibitor III /// murinoglobulin 1 /// murinoglobulin 2	297568 /// Mug1 /// 568 /// 497794 /// 408	1,24	up	
6499812	7258105	1517984	alpha-1-inhibitor III /// murinoglobulin 1 /// murinoglobulin 2	297568 /// Mug1 /// 568 /// 497794 /// 408	1,23	up	
5633277	7258105	1518006	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,15	up
5663676	7258105	1518008	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,27	down
5702401	7258105	1517988	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,54	down
5864632	7258105	1518009	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,00	up
6084621	7258105	1518012	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,10	up
6325570	7258105	1517997	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,32	down
6381121	7258105	1518014	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,74	down
6403323	7258105	1518001	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,17	up
6694764	7258105	1518004	alpha-1-inhibitor III /// murinoglobulin 2	_OC297568 /// Mug:	297568 /// 408236	1,17	up
6273765	7258105	1517995	alpha-1-inhibitor III /// murinoglobulin 2 /// murinoglobulin 1	297568 /// Mug2 /// 568 /// 408236 /// 497	1,27	down	
6296741	7258105	1517996	alpha-1-inhibitor III /// murinoglobulin 2 /// murinoglobulin 1	297568 /// Mug2 /// 568 /// 408236 /// 497	1,02	down	
6504705	7258105	1517994	alpha-1-inhibitor III /// murinoglobulin 2 /// murinoglobulin 1	297568 /// Mug2 /// 568 /// 408236 /// 497	1,04	down	
6508670	7258105	1518017	alpha-1-inhibitor III /// similar to Murinoglobulin 1 homolog	_297568 /// RGD156	297568 /// 297572	1,00	up

6296297	7258105	1518015	alpha-1-inhibitor III /// similar to Murinoglobulin 1 homolog /// murinoglobulin 2 ÿ68 /// RGD1566313568 /// 297572 /// 408		1,48	up	
6348493	7258105	1518016	alpha-1-inhibitor III /// similar to Murinoglobulin 1 homolog /// murinoglobulin 2 ÿ68 /// RGD1566313568 /// 297572 /// 408		1,09	down	
5638271	7258100	1517966	alpha-2-macroglobulin	A2m	24153	1,05	down
5673845	7258100	1517955	alpha-2-macroglobulin	A2m	24153	1,39	down
5677744	7258100	1517948	alpha-2-macroglobulin	A2m	24153	1,79	up
5698333	7258100	1517958	alpha-2-macroglobulin	A2m	24153	1,11	up
5714458	7258100	1517975	alpha-2-macroglobulin	A2m	24153	1,32	up
5720405	7258100	1517960	alpha-2-macroglobulin	A2m	24153	1,06	up
5755022	7258100	1517967	alpha-2-macroglobulin	A2m	24153	1,04	up
5781084	7258100	1517961	alpha-2-macroglobulin	A2m	24153	1,75	down
5795135	7258100	1517972	alpha-2-macroglobulin	A2m	24153	1,05	up
5810896	7258100	1517949	alpha-2-macroglobulin	A2m	24153	1,60	up
5839062	7258100	1517953	alpha-2-macroglobulin	A2m	24153	1,86	up
5872908	7258100	1517979	alpha-2-macroglobulin	A2m	24153	1,09	up
5877355	7258100	1517949	alpha-2-macroglobulin	A2m	24153	1,06	down
5897530	7258100	1517952	alpha-2-macroglobulin	A2m	24153	1,04	down
5945193	7258100	1517971	alpha-2-macroglobulin	A2m	24153	1,06	down
5976615	7258100	1517951	alpha-2-macroglobulin	A2m	24153	1,09	down
5980127	7258100	1517957	alpha-2-macroglobulin	A2m	24153	1,29	up
6049292	7258100	1517961	alpha-2-macroglobulin	A2m	24153	1,04	up
6080333	7258100	1517970	alpha-2-macroglobulin	A2m	24153	1,23	up
6170521	7258100	1517965	alpha-2-macroglobulin	A2m	24153	1,48	down
6173395	7258100	1517976	alpha-2-macroglobulin	A2m	24153	1,55	down
6173516	7258100	1517966	alpha-2-macroglobulin	A2m	24153	1,08	up
6181248	7258100	1517973	alpha-2-macroglobulin	A2m	24153	1,38	down
6215953	7258100	1517958	alpha-2-macroglobulin	A2m	24153	1,18	up
6254071	7258100	1517956	alpha-2-macroglobulin	A2m	24153	1,14	up
6270624	7258100	1517964	alpha-2-macroglobulin	A2m	24153	1,80	down
6271157	7258100	1517978	alpha-2-macroglobulin	A2m	24153	1,48	down
6322240	7258100	1517950	alpha-2-macroglobulin	A2m	24153	1,19	down
6325264	7258100	1517959	alpha-2-macroglobulin	A2m	24153	1,19	down
6343305	7258100	1517947	alpha-2-macroglobulin	A2m	24153	1,11	down
6351094	7258100	1517971	alpha-2-macroglobulin	A2m	24153	1,32	up
6359547	7258100	1517977	alpha-2-macroglobulin	A2m	24153	1,00	up
6379689	7258100	1517968	alpha-2-macroglobulin	A2m	24153	1,08	up
6389216	7258100	1517951	alpha-2-macroglobulin	A2m	24153	2,23	up
6425018	7258100	1517946	alpha-2-macroglobulin	A2m	24153	1,05	up
6426696	7258100	1517946	alpha-2-macroglobulin	A2m	24153	1,31	up
6537074	7258100	1517969	alpha-2-macroglobulin	A2m	24153	1,94	up
6547414	7258100	1517962	alpha-2-macroglobulin	A2m	24153	1,15	down
6612009	7258100	1517945	alpha-2-macroglobulin	A2m	24153	1,24	down
6622350	7258100	1517963	alpha-2-macroglobulin	A2m	24153	1,20	up
6687263	7258100	1517954	alpha-2-macroglobulin	A2m	24153	1,57	down
6718098	7258100	1517974	alpha-2-macroglobulin	A2m	24153	1,07	up
5676307	7213945	1407850	alpha-kinase 1	Alpk1	310879	1,27	up
5773521	7213945	1407853	alpha-kinase 1	Alpk1	310879	1,23	up
5829989	7213945	1407839	alpha-kinase 1	Alpk1	310879	1,10	down
6288029	7213945	1407838	alpha-kinase 1	Alpk1	310879	1,29	up
6418702	7213945	1407842	alpha-kinase 1	Alpk1	310879	1,34	down
6428332	7213945	1407837	alpha-kinase 1	Alpk1	310879	1,03	up
6726522	7213945	1407838	alpha-kinase 1	Alpk1	310879	1,23	up
6395115	7033504	969868	alpha-kinase 3	Alpk3	365298	1,05	down
5965445	7340757	1721909	ALS2 C-terminal like	Als2cl	316017	1,91	up
5977888	7340757	1721909	ALS2 C-terminal like	Als2cl	316017	1,02	up
6080493	7340757	1721881	ALS2 C-terminal like	Als2cl	316017	1,01	down
6285132	7340757	1721909	ALS2 C-terminal like	Als2cl	316017	1,14	down

5650805	7255663	1511707	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,25	up
5784908	7255663	1511700	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,25	down
5800578	7255663	1511716	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,47	up
5875224	7255663	1511724	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,32	up
5942648	7255663	1511716	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,08	up
5949292	7255663	1511695	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,20	down
6068216	7255663	1511689	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,06	up
6086872	7255663	1511706	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,36	up
6098224	7255663	1511705	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,07	up
6123250	7255663	1511704	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,32	down
6131496	7255663	1511718	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,15	down
6147953	7255663	1511694	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,08	down
6156542	7255663	1511720	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,39	up
6156721	7255663	1511702	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,45	down
6176219	7255663	1511690	Alstrom syndrome 1 homolog (human)	Alms1	297408	2,04	down
6176898	7255663	1511689	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,09	down
6224346	7255663	1511691	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,04	down
6326063	7255663	1511699	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,08	down
6332423	7255663	1511710	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,04	up
6356706	7255663	1511703	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,10	down
6380627	7255663	1511705	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,03	up
6416401	7255663	1511702	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,11	down
6438589	7255663	1511701	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,23	down
6439982	7255663	1511709	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,01	down
6539137	7255663	1511705	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,26	up
6599139	7255663	1511718	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,28	down
6608919	7255663	1511717	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,04	down
6626250	7255663	1511691	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,09	up
6631664	7255663	1511706	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,51	up
6652849	7255663	1511705	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,47	down
6682461	7255663	1511708	Alstrom syndrome 1 homolog (human)	Alms1	297408	1,12	up
5930683	7324519	1682359	ALX homeobox 1	Alx1	25401	1,31	up
6107191	7324519	1682356	ALX homeobox 1	Alx1	25401	1,21	down
6306267	7324519	1682359	ALX homeobox 1	Alx1	25401	3,10	up
6461866	7324519	1682359	ALX homeobox 1	Alx1	25401	1,68	down
6537552	7324519	1682359	ALX homeobox 1	Alx1	25401	1,42	down
6558942	7324519	1682359	ALX homeobox 1	Alx1	25401	1,36	up
6600653	7324519	1682358	ALX homeobox 1	Alx1	25401	1,37	up
6608568	7324519	1682357	ALX homeobox 1	Alx1	25401	1,11	up
5618414	7150676	1252324	aminoadipate aminotransferase	Aadat	29416	1,36	up
5884369	7150676	1252325	aminoadipate aminotransferase	Aadat	29416	1,24	up
5998698	7150676	1252323	aminoadipate aminotransferase	Aadat	29416	1,01	down
6088381	7150676	1252331	aminoadipate aminotransferase	Aadat	29416	1,02	up
6112464	7150676	1252326	aminoadipate aminotransferase	Aadat	29416	1,17	up
6170029	7150676	1252329	aminoadipate aminotransferase	Aadat	29416	1,40	down
6197916	7150676	1252335	aminoadipate aminotransferase	Aadat	29416	1,01	down
6233689	7150676	1252328	aminoadipate aminotransferase	Aadat	29416	2,08	up
6356821	7150676	1252334	aminoadipate aminotransferase	Aadat	29416	1,44	down
6427350	7150676	1252331	aminoadipate aminotransferase	Aadat	29416	1,21	down
6460549	7150676	1252335	aminoadipate aminotransferase	Aadat	29416	1,54	down
6511326	7150676	1252327	aminoadipate aminotransferase	Aadat	29416	1,65	down
6597855	7150676	1252332	aminoadipate aminotransferase	Aadat	29416	1,38	down
6617754	7150676	1252330	aminoadipate aminotransferase	Aadat	29416	1,35	up
6669534	7150676	1252333	aminoadipate aminotransferase	Aadat	29416	1,07	up
5855780	7161420	1278768	aminopeptidase O	Npepo	290963	1,11	down
5905076	7161420	1278775	aminopeptidase O	Npepo	290963	1,51	up

5958415	7161420	1278765	aminopeptidase O	Npepo	290963	1,29	up
5970611	7161420	1278770	aminopeptidase O	Npepo	290963	2,09	down
5989668	7161420	1278763	aminopeptidase O	Npepo	290963	1,09	down
5998568	7161420	1278771	aminopeptidase O	Npepo	290963	1,19	down
6097074	7161420	1278762	aminopeptidase O	Npepo	290963	1,06	down
6101755	7161420	1278761	aminopeptidase O	Npepo	290963	1,01	up
6263085	7161420	1278769	aminopeptidase O	Npepo	290963	2,97	down
6326965	7161420	1278771	aminopeptidase O	Npepo	290963	1,70	down
6330583	7161420	1278773	aminopeptidase O	Npepo	290963	1,58	up
6374811	7161420	1278774	aminopeptidase O	Npepo	290963	2,11	up
6419758	7161420	1278764	aminopeptidase O	Npepo	290963	1,15	down
6478413	7161420	1278767	aminopeptidase O	Npepo	290963	1,56	up
6525738	7161420	1278766	aminopeptidase O	Npepo	290963	1,64	down
6727945	7161420	1278772	aminopeptidase O	Npepo	290963	1,78	up
5655308	7326150	1686181	amplified in osteosarcoma	Os9	362891	1,06	up
5685447	7326150	1686175	amplified in osteosarcoma	Os9	362891	1,07	down
5692720	7326150	1686190	amplified in osteosarcoma	Os9	362891	1,77	up
5714833	7326150	1686186	amplified in osteosarcoma	Os9	362891	1,12	up
5878245	7326150	1686177	amplified in osteosarcoma	Os9	362891	1,09	up
5943132	7326150	1686189	amplified in osteosarcoma	Os9	362891	1,19	up
6083460	7326150	1686179	amplified in osteosarcoma	Os9	362891	1,16	up
6174270	7326150	1686188	amplified in osteosarcoma	Os9	362891	1,12	down
6190350	7326150	1686190	amplified in osteosarcoma	Os9	362891	1,18	up
6215253	7326150	1686182	amplified in osteosarcoma	Os9	362891	1,08	up
6221047	7326150	1686185	amplified in osteosarcoma	Os9	362891	1,20	up
6263398	7326150	1686180	amplified in osteosarcoma	Os9	362891	1,04	down
6345589	7326150	1686183	amplified in osteosarcoma	Os9	362891	2,22	down
6356446	7326150	1686176	amplified in osteosarcoma	Os9	362891	1,16	down
6462513	7326150	1686187	amplified in osteosarcoma	Os9	362891	1,02	down
6548738	7326150	1686184	amplified in osteosarcoma	Os9	362891	1,09	down
6651423	7326150	1686178	amplified in osteosarcoma	Os9	362891	1,26	down
6739642	7326150	1686174	amplified in osteosarcoma	Os9	362891	1,11	down
5673857	7295410	1609788	anaplastic lymphoma kinase	Alk	266802	1,46	up
5742832	7295410	1609784	anaplastic lymphoma kinase	Alk	266802	1,14	up
5853674	7295410	1609785	anaplastic lymphoma kinase	Alk	266802	1,14	up
6195449	7295410	1609792	anaplastic lymphoma kinase	Alk	266802	1,24	down
6207797	7295410	1609783	anaplastic lymphoma kinase	Alk	266802	1,35	down
6305708	7295410	1609786	anaplastic lymphoma kinase	Alk	266802	1,30	up
6352175	7295410	1609791	anaplastic lymphoma kinase	Alk	266802	1,07	down
6445412	7295410	1609790	anaplastic lymphoma kinase	Alk	266802	1,20	down
6567240	7295410	1609789	anaplastic lymphoma kinase	Alk	266802	1,99	down
6740816	7295410	1609787	anaplastic lymphoma kinase	Alk	266802	1,41	down
5718781	7375811	1811060	androgen receptor	Ar	24208	1,02	up
5742499	7375811	1811067	androgen receptor	Ar	24208	1,08	up
5753985	7375811	1811062	androgen receptor	Ar	24208	1,74	up
5808690	7375811	1811059	androgen receptor	Ar	24208	1,42	up
6037410	7375811	1811061	androgen receptor	Ar	24208	1,28	up
6061021	7375811	1811063	androgen receptor	Ar	24208	2,56	up
6147117	7375811	1811066	androgen receptor	Ar	24208	1,58	up
6218009	7375811	1811058	androgen receptor	Ar	24208	1,21	down
6227092	7375811	1811066	androgen receptor	Ar	24208	1,03	up
6294346	7375811	1811058	androgen receptor	Ar	24208	1,02	down
6371040	7375811	1811058	androgen receptor	Ar	24208	1,44	down
6495610	7375811	1811058	androgen receptor	Ar	24208	1,45	down
6498272	7375811	1811059	androgen receptor	Ar	24208	2,15	up
6626607	7375811	1811058	androgen receptor	Ar	24208	1,20	down

6661052	7375811	1811058	androgen receptor	Ar	24208	1,03	down
6662346	7375811	1811058	androgen receptor	Ar	24208	1,92	down
6683041	7375811	1811058	androgen receptor	Ar	24208	1,26	up
6694920	7375811	1811060	androgen receptor	Ar	24208	1,35	up
6697026	7375811	1811065	androgen receptor	Ar	24208	1,54	down
6714256	7375811	1811064	androgen receptor	Ar	24208	1,50	up
5630968	7202550	1381619	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,07	up
6046924	7202550	1381619	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,15	down
6270486	7202550	1381619	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,15	down
6290955	7202550	1381617	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,08	down
6362114	7202550	1381619	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,57	up
6590502	7202550	1381618	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,37	up
6716947	7202550	1381615	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,16	down
6718153	7202550	1381616	angiogenic factor with G patch and FHA domains 1	Aggf1	310005	1,23	down
5703633	7342356	1725881	angiomin-like 1	Amotl1	315430	1,54	down
5736857	7342356	1725886	angiomin-like 1	Amotl1	315430	1,18	down
5989041	7342356	1725889	angiomin-like 1	Amotl1	315430	1,26	up
6272484	7342356	1725876	angiomin-like 1	Amotl1	315430	1,72	down
6286881	7342356	1725878	angiomin-like 1	Amotl1	315430	1,45	down
6371475	7342356	1725877	angiomin-like 1	Amotl1	315430	1,15	down
6371901	7342356	1725905	angiomin-like 1	Amotl1	315430	1,51	up
6404790	7342356	1725888	angiomin-like 1	Amotl1	315430	1,00	down
6409035	7342356	1725887	angiomin-like 1	Amotl1	315430	1,48	up
6433675	7342356	1725879	angiomin-like 1	Amotl1	315430	1,15	up
6437815	7342356	1725896	angiomin-like 1	Amotl1	315430	1,41	up
6485303	7342356	1725884	angiomin-like 1	Amotl1	315430	1,59	down
6512439	7342356	1725883	angiomin-like 1	Amotl1	315430	1,58	down
6637978	7342356	1725902	angiomin-like 1	Amotl1	315430	1,11	down
6686661	7342356	1725885	angiomin-like 1	Amotl1	315430	1,05	up
6725750	7343122	1727724	anillin, actin binding protein	Anln	307056	1,18	up
5640791	7213908	1407678	ankyrin 2, neuronal	Ank2	362036	1,54	up
5680006	7213908	1407701	ankyrin 2, neuronal	Ank2	362036	1,88	up
5680042	7213908	1407681	ankyrin 2, neuronal	Ank2	362036	1,17	up
5698364	7213908	1407652	ankyrin 2, neuronal	Ank2	362036	1,15	down
5710244	7213908	1407683	ankyrin 2, neuronal	Ank2	362036	1,01	up
5719238	7213908	1407700	ankyrin 2, neuronal	Ank2	362036	1,50	down
5733952	7213908	1407651	ankyrin 2, neuronal	Ank2	362036	1,53	down
5946420	7213908	1407644	ankyrin 2, neuronal	Ank2	362036	1,02	up
6013086	7213908	1407637	ankyrin 2, neuronal	Ank2	362036	1,08	up
6039798	7213908	1407690	ankyrin 2, neuronal	Ank2	362036	1,15	down
6044714	7213908	1407695	ankyrin 2, neuronal	Ank2	362036	1,42	up
6046354	7213908	1407710	ankyrin 2, neuronal	Ank2	362036	1,01	down
6054185	7213908	1407641	ankyrin 2, neuronal	Ank2	362036	1,14	down
6111006	7213908	1407699	ankyrin 2, neuronal	Ank2	362036	1,03	up
6115552	7213908	1407676	ankyrin 2, neuronal	Ank2	362036	1,05	up
6131392	7213908	1407750	ankyrin 2, neuronal	Ank2	362036	1,60	up
6143133	7213908	1407684	ankyrin 2, neuronal	Ank2	362036	1,66	up
6171201	7213908	1407643	ankyrin 2, neuronal	Ank2	362036	1,32	up
6201626	7213908	1407750	ankyrin 2, neuronal	Ank2	362036	1,26	up
6225029	7213908	1407712	ankyrin 2, neuronal	Ank2	362036	1,46	down
6245099	7213908	1407651	ankyrin 2, neuronal	Ank2	362036	1,53	down
6272224	7213908	1407675	ankyrin 2, neuronal	Ank2	362036	1,29	down
6345247	7213908	1407703	ankyrin 2, neuronal	Ank2	362036	1,14	down
6347385	7213908	1407685	ankyrin 2, neuronal	Ank2	362036	1,64	up
6387676	7213908	1407646	ankyrin 2, neuronal	Ank2	362036	1,79	up
6402477	7213908	1407638	ankyrin 2, neuronal	Ank2	362036	1,14	down

6456222	7213908	1407700	ankyrin 2, neuronal	Ank2	362036	1,55	up
6476341	7213908	1407696	ankyrin 2, neuronal	Ank2	362036	1,90	up
6555567	7213908	1407690	ankyrin 2, neuronal	Ank2	362036	1,31	up
6572945	7213908	1407717	ankyrin 2, neuronal	Ank2	362036	1,18	up
6604780	7213908	1407651	ankyrin 2, neuronal	Ank2	362036	1,89	down
6699942	7213908	1407698	ankyrin 2, neuronal	Ank2	362036	1,18	up
6725217	7213908	1407702	ankyrin 2, neuronal	Ank2	362036	1,36	down
5668412	7222244	1428264	ankyrin 3, epithelial	Ank3	361833	1,53	down
5681934	7222244	1428247	ankyrin 3, epithelial	Ank3	361833	1,29	down
5694005	7222244	1428276	ankyrin 3, epithelial	Ank3	361833	1,41	up
5696645	7222244	1428279	ankyrin 3, epithelial	Ank3	361833	1,13	up
5703125	7222244	1428250	ankyrin 3, epithelial	Ank3	361833	1,61	down
5734430	7222244	1428246	ankyrin 3, epithelial	Ank3	361833	1,34	down
5750870	7222244	1428258	ankyrin 3, epithelial	Ank3	361833	1,16	up
5752795	7222244	1428265	ankyrin 3, epithelial	Ank3	361833	1,24	up
5771647	7222244	1428280	ankyrin 3, epithelial	Ank3	361833	1,15	down
5776578	7222244	1428248	ankyrin 3, epithelial	Ank3	361833	1,95	down
5837764	7222244	1428275	ankyrin 3, epithelial	Ank3	361833	1,04	down
5886752	7222244	1428268	ankyrin 3, epithelial	Ank3	361833	1,22	down
5897436	7222244	1428253	ankyrin 3, epithelial	Ank3	361833	1,14	down
5899013	7222244	1428277	ankyrin 3, epithelial	Ank3	361833	1,13	up
5908972	7222244	1428245	ankyrin 3, epithelial	Ank3	361833	1,04	up
5918122	7222244	1428261	ankyrin 3, epithelial	Ank3	361833	1,20	down
5923547	7222244	1428269	ankyrin 3, epithelial	Ank3	361833	1,25	down
5991215	7222244	1428256	ankyrin 3, epithelial	Ank3	361833	1,01	down
6043101	7222244	1428255	ankyrin 3, epithelial	Ank3	361833	1,51	up
6063066	7222244	1428285	ankyrin 3, epithelial	Ank3	361833	2,06	up
6085958	7222244	1428278	ankyrin 3, epithelial	Ank3	361833	1,34	down
6104937	7222244	1428263	ankyrin 3, epithelial	Ank3	361833	1,14	up
6119681	7222244	1428271	ankyrin 3, epithelial	Ank3	361833	1,27	down
6122269	7222244	1428248	ankyrin 3, epithelial	Ank3	361833	1,16	down
6158986	7222244	1428266	ankyrin 3, epithelial	Ank3	361833	1,02	down
6175208	7222244	1428251	ankyrin 3, epithelial	Ank3	361833	1,33	up
6221220	7222244	1428259	ankyrin 3, epithelial	Ank3	361833	1,19	up
6224888	7222244	1428262	ankyrin 3, epithelial	Ank3	361833	1,71	up
6355809	7222244	1428257	ankyrin 3, epithelial	Ank3	361833	1,03	down
6431249	7222244	1428254	ankyrin 3, epithelial	Ank3	361833	1,04	down
6448914	7222244	1428261	ankyrin 3, epithelial	Ank3	361833	1,09	down
6478665	7222244	1428250	ankyrin 3, epithelial	Ank3	361833	1,56	up
6515175	7222244	1428260	ankyrin 3, epithelial	Ank3	361833	1,17	up
6537256	7222244	1428249	ankyrin 3, epithelial	Ank3	361833	1,47	up
6581575	7222244	1428282	ankyrin 3, epithelial	Ank3	361833	1,01	up
6584605	7222244	1428275	ankyrin 3, epithelial	Ank3	361833	1,01	up
6594851	7222244	1428270	ankyrin 3, epithelial	Ank3	361833	1,06	down
6598929	7222244	1428252	ankyrin 3, epithelial	Ank3	361833	1,43	down
6607745	7222244	1428273	ankyrin 3, epithelial	Ank3	361833	1,06	down
6615855	7222244	1428272	ankyrin 3, epithelial	Ank3	361833	1,28	up
6630887	7222244	1428244	ankyrin 3, epithelial	Ank3	361833	1,60	down
6638526	7222244	1428267	ankyrin 3, epithelial	Ank3	361833	1,08	down
6672486	7222244	1428274	ankyrin 3, epithelial	Ank3	361833	1,12	up
6676452	7222244	1428281	ankyrin 3, epithelial	Ank3	361833	1,12	down
6680545	7222244	1428284	ankyrin 3, epithelial	Ank3	361833	1,40	up
6718359	7222244	1428283	ankyrin 3, epithelial	Ank3	361833	1,04	down
5682698	7217143	1415587	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,09	up
5689048	7217143	1415608	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,18	up
5728347	7217143	1415580	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,39	up

5756526	7217143	1415618	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,38	down
5805682	7217143	1415609	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,15	up
5807230	7217143	1415592	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,11	up
5814472	7217143	1415616	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,07	up
5815653	7217143	1415613	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,03	up
5931983	7217143	1415590	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,06	down
6039916	7217143	1415593	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,19	up
6045481	7217143	1415583	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,11	up
6051124	7217143	1415614	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,01	down
6063732	7217143	1415619	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,15	down
6157513	7217143	1415589	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,12	up
6201435	7217143	1415596	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,20	down
6225577	7217143	1415606	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,02	down
6241507	7217143	1415588	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,01	up
6293274	7217143	1415612	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,20	up
6356084	7217143	1415610	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,16	up
6404225	7217143	1415611	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,23	down
6425731	7217143	1415591	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,05	up
6497219	7217143	1415596	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,06	down
6543186	7217143	1415615	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,20	down
6663138	7217143	1415584	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,35	up
6692801	7217143	1415618	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,58	down
6738734	7217143	1415603	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,30	down
5633794	7117158	1170024	ankyrin repeat domain 17	Ankrd17	289521	1,35	up
5654263	7117158	1170012	ankyrin repeat domain 17	Ankrd17	289521	1,14	up
5662228	7117158	1170002	ankyrin repeat domain 17	Ankrd17	289521	1,29	up
5751898	7117158	1170016	ankyrin repeat domain 17	Ankrd17	289521	1,30	up
5758003	7117158	1170029	ankyrin repeat domain 17	Ankrd17	289521	1,23	down
5769582	7117158	1170004	ankyrin repeat domain 17	Ankrd17	289521	1,22	up
5776656	7117158	1170009	ankyrin repeat domain 17	Ankrd17	289521	1,01	down
5782867	7117158	1170040	ankyrin repeat domain 17	Ankrd17	289521	1,27	down
5793039	7117158	1170028	ankyrin repeat domain 17	Ankrd17	289521	1,09	down
5801358	7117158	1170013	ankyrin repeat domain 17	Ankrd17	289521	1,11	up
5843036	7117158	1170015	ankyrin repeat domain 17	Ankrd17	289521	1,14	up
5870297	7117158	1170017	ankyrin repeat domain 17	Ankrd17	289521	1,06	down
5870393	7117158	1170001	ankyrin repeat domain 17	Ankrd17	289521	1,22	down
5914416	7117158	1170023	ankyrin repeat domain 17	Ankrd17	289521	1,13	down
5950797	7117158	1170041	ankyrin repeat domain 17	Ankrd17	289521	1,06	up
5968055	7117158	1170022	ankyrin repeat domain 17	Ankrd17	289521	1,42	down
6009389	7117158	1170040	ankyrin repeat domain 17	Ankrd17	289521	1,17	down
6047178	7117158	1170007	ankyrin repeat domain 17	Ankrd17	289521	1,27	up
6099697	7117158	1170030	ankyrin repeat domain 17	Ankrd17	289521	1,08	up
6124107	7117158	1170018	ankyrin repeat domain 17	Ankrd17	289521	1,12	up
6129079	7117158	1170014	ankyrin repeat domain 17	Ankrd17	289521	1,15	up
6134279	7117158	1170031	ankyrin repeat domain 17	Ankrd17	289521	1,09	down
6142776	7117158	1170010	ankyrin repeat domain 17	Ankrd17	289521	1,05	up
6154121	7117158	1170028	ankyrin repeat domain 17	Ankrd17	289521	1,73	down
6168826	7117158	1170029	ankyrin repeat domain 17	Ankrd17	289521	1,91	down
6184201	7117158	1170016	ankyrin repeat domain 17	Ankrd17	289521	1,15	down
6185610	7117158	1169997	ankyrin repeat domain 17	Ankrd17	289521	1,07	down
6198208	7117158	1170030	ankyrin repeat domain 17	Ankrd17	289521	1,54	down
6208919	7117158	1170039	ankyrin repeat domain 17	Ankrd17	289521	1,13	down
6209974	7117158	1170033	ankyrin repeat domain 17	Ankrd17	289521	1,09	up
6248716	7117158	1170015	ankyrin repeat domain 17	Ankrd17	289521	1,59	up
6270838	7117158	1170015	ankyrin repeat domain 17	Ankrd17	289521	1,33	up
6380593	7117158	1170025	ankyrin repeat domain 17	Ankrd17	289521	1,13	up

6415510	7117158	1170008	ankyrin repeat domain 17	Ankrd17	289521	1,37	up
6474529	7117158	1170026	ankyrin repeat domain 17	Ankrd17	289521	1,19	down
6477690	7117158	1170039	ankyrin repeat domain 17	Ankrd17	289521	1,22	up
6512584	7117158	1170011	ankyrin repeat domain 17	Ankrd17	289521	1,05	down
6546010	7117158	1170003	ankyrin repeat domain 17	Ankrd17	289521	1,05	down
6557561	7117158	1170005	ankyrin repeat domain 17	Ankrd17	289521	1,02	up
6593579	7117158	1170043	ankyrin repeat domain 17	Ankrd17	289521	1,39	down
6637270	7117158	1170008	ankyrin repeat domain 17	Ankrd17	289521	1,09	up
6643833	7117158	1170023	ankyrin repeat domain 17	Ankrd17	289521	1,08	up
6662163	7117158	1170015	ankyrin repeat domain 17	Ankrd17	289521	1,58	up
6679916	7117158	1169997	ankyrin repeat domain 17	Ankrd17	289521	2,00	up
6716106	7117158	1170030	ankyrin repeat domain 17	Ankrd17	289521	1,42	down
5767003	7361073	1772314	ankyrin repeat domain 23	Ankrd23	316330	1,21	down
5777685	7361073	1772314	ankyrin repeat domain 23	Ankrd23	316330	1,10	up
5782601	7361073	1772320	ankyrin repeat domain 23	Ankrd23	316330	1,25	down
5961264	7361073	1772323	ankyrin repeat domain 23	Ankrd23	316330	1,02	down
6054508	7361073	1772314	ankyrin repeat domain 23	Ankrd23	316330	1,27	up
6186746	7361073	1772315	ankyrin repeat domain 23	Ankrd23	316330	1,24	up
6228672	7361073	1772316	ankyrin repeat domain 23	Ankrd23	316330	1,18	down
6469791	7361073	1772317	ankyrin repeat domain 23	Ankrd23	316330	1,05	up
6489170	7361073	1772321	ankyrin repeat domain 23	Ankrd23	316330	1,35	up
6515741	7361073	1772319	ankyrin repeat domain 23	Ankrd23	316330	1,11	up
6578801	7361073	1772318	ankyrin repeat domain 23	Ankrd23	316330	1,03	down
6639389	7361073	1772322	ankyrin repeat domain 23	Ankrd23	316330	1,04	down
5764614	7361073	1772324	ankyrin repeat domain 39	Ankrd39	367251	1,03	down
6140737	7361073	1772326	ankyrin repeat domain 39	Ankrd39	367251	1,02	up
6279428	7361073	1772329	ankyrin repeat domain 39	Ankrd39	367251	1,33	down
6368089	7361073	1772324	ankyrin repeat domain 39	Ankrd39	367251	1,24	down
6595054	7361073	1772327	ankyrin repeat domain 39	Ankrd39	367251	2,34	down
5636259	7233012	1455412	ankyrin repeat domain 5	Ankrd5	296184	1,34	down
5915745	7233012	1455424	ankyrin repeat domain 5	Ankrd5	296184	1,02	up
5921213	7233012	1455415	ankyrin repeat domain 5	Ankrd5	296184	1,19	down
6019398	7233012	1455418	ankyrin repeat domain 5	Ankrd5	296184	1,08	down
6203561	7233012	1455421	ankyrin repeat domain 5	Ankrd5	296184	1,06	up
6342921	7233012	1455422	ankyrin repeat domain 5	Ankrd5	296184	1,07	down
6354534	7233012	1455414	ankyrin repeat domain 5	Ankrd5	296184	1,08	down
6399097	7233012	1455417	ankyrin repeat domain 5	Ankrd5	296184	1,01	down
6510939	7233012	1455419	ankyrin repeat domain 5	Ankrd5	296184	1,13	down
6590441	7233012	1455416	ankyrin repeat domain 5	Ankrd5	296184	1,27	down
6644799	7233012	1455425	ankyrin repeat domain 5	Ankrd5	296184	2,08	down
6663608	7233012	1455420	ankyrin repeat domain 5	Ankrd5	296184	1,15	down
6667093	7233012	1455423	ankyrin repeat domain 5	Ankrd5	296184	1,16	up
5753766	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,34	up
5949472	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,41	up
6116451	7370009	1795811	ankyrin repeat domain 57	Ankrd57	503306	1,36	down
6123807	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,05	down
6258250	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,06	down
6443236	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	2,32	down
6540539	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,13	up
6700730	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,21	up
5692398	7323560	1680020	anoctamin 4	Ano4	299714	1,08	down
5698243	7323560	1680060	anoctamin 4	Ano4	299714	1,23	up
5723500	7323560	1680041	anoctamin 4	Ano4	299714	1,13	up
5786953	7323560	1680007	anoctamin 4	Ano4	299714	1,20	down
5811865	7323560	1680008	anoctamin 4	Ano4	299714	1,00	up
5819301	7323560	1680081	anoctamin 4	Ano4	299714	1,31	down

5879009	7323560	1680013	anoctamin 4	Ano4	299714	1,19	up
5906826	7323560	1680013	anoctamin 4	Ano4	299714	1,02	down
5931963	7323560	1680008	anoctamin 4	Ano4	299714	1,09	up
6013014	7323560	1680010	anoctamin 4	Ano4	299714	1,25	down
6014539	7323560	1680011	anoctamin 4	Ano4	299714	1,11	up
6104867	7323560	1680017	anoctamin 4	Ano4	299714	1,17	down
6107068	7323560	1680038	anoctamin 4	Ano4	299714	1,05	down
6286212	7323560	1680012	anoctamin 4	Ano4	299714	1,55	down
6363996	7323560	1680025	anoctamin 4	Ano4	299714	1,88	up
6412952	7323560	1680022	anoctamin 4	Ano4	299714	1,15	down
6429436	7323560	1680081	anoctamin 4	Ano4	299714	1,08	down
6455680	7323560	1680028	anoctamin 4	Ano4	299714	1,00	up
6485523	7323560	1680055	anoctamin 4	Ano4	299714	1,25	down
6547788	7323560	1680060	anoctamin 4	Ano4	299714	1,00	up
6551788	7323560	1680018	anoctamin 4	Ano4	299714	1,63	up
6554540	7323560	1680045	anoctamin 4	Ano4	299714	1,00	up
6561286	7323560	1680066	anoctamin 4	Ano4	299714	1,63	up
6580323	7323560	1680014	anoctamin 4	Ano4	299714	1,15	up
6589455	7323560	1680033	anoctamin 4	Ano4	299714	1,83	down
6627351	7323560	1680034	anoctamin 4	Ano4	299714	1,03	down
6628328	7323560	1680044	anoctamin 4	Ano4	299714	2,01	up
6721177	7323560	1680057	anoctamin 4	Ano4	299714	1,01	down
6743123	7323560	1680030	anoctamin 4	Ano4	299714	1,03	up
5768917	7297421	1615072	anterior gradient homolog 2 (Xenopus laevis)	Agr2	298961	1,38	up
5818299	7297421	1615074	anterior gradient homolog 2 (Xenopus laevis)	Agr2	298961	1,86	down
5901218	7297421	1615068	anterior gradient homolog 2 (Xenopus laevis)	Agr2	298961	1,85	down
5901539	7297421	1615069	anterior gradient homolog 2 (Xenopus laevis)	Agr2	298961	1,14	down
5973128	7297421	1615073	anterior gradient homolog 2 (Xenopus laevis)	Agr2	298961	2,06	down
6540084	7297421	1615070	anterior gradient homolog 2 (Xenopus laevis)	Agr2	298961	1,41	up
6603532	7297421	1615071	anterior gradient homolog 2 (Xenopus laevis)	Agr2	298961	1,08	up
5987549	7070546	1057564	AP1 gamma subunit binding protein 1	Ap1gbp1	84479	1,08	up
6305979	7070546	1057565	AP1 gamma subunit binding protein 1	Ap1gbp1	84479	1,17	up
6437459	7070546	1057566	AP1 gamma subunit binding protein 1	Ap1gbp1	84479	1,15	up
6566773	7070546	1057565	AP1 gamma subunit binding protein 1	Ap1gbp1	84479	1,12	up
6618312	7070546	1057563	AP1 gamma subunit binding protein 1	Ap1gbp1	84479	1,31	down
6746837	7070546	1057565	AP1 gamma subunit binding protein 1	Ap1gbp1	84479	2,12	down
5805182	7041273	988584	APOBEC1 complementation factor	A1cf	170912	1,07	up
5812894	7041273	988591	APOBEC1 complementation factor	A1cf	170912	1,20	up
5864713	7041273	988591	APOBEC1 complementation factor	A1cf	170912	2,10	down
5925630	7041273	988590	APOBEC1 complementation factor	A1cf	170912	2,45	up
5946507	7041273	988583	APOBEC1 complementation factor	A1cf	170912	1,10	down
5973076	7041273	988590	APOBEC1 complementation factor	A1cf	170912	2,66	up
6077509	7041273	988589	APOBEC1 complementation factor	A1cf	170912	1,22	down
6207722	7041273	988588	APOBEC1 complementation factor	A1cf	170912	1,03	up
6211095	7041273	988587	APOBEC1 complementation factor	A1cf	170912	1,10	down
6220349	7041273	988585	APOBEC1 complementation factor	A1cf	170912	1,26	down
6324145	7041273	988583	APOBEC1 complementation factor	A1cf	170912	1,31	down
6422934	7041273	988590	APOBEC1 complementation factor	A1cf	170912	2,07	up
6537212	7041273	988592	APOBEC1 complementation factor	A1cf	170912	1,48	down
6564583	7041273	988586	APOBEC1 complementation factor	A1cf	170912	1,09	up
5716006	7210599	1400513	apolipoprotein A-I binding protein	Apoa1bp	295229	1,13	down
5861055	7210599	1400514	apolipoprotein A-I binding protein	Apoa1bp	295229	1,32	down
5870893	7210599	1400510	apolipoprotein A-I binding protein	Apoa1bp	295229	1,27	up
5916351	7210599	1400512	apolipoprotein A-I binding protein	Apoa1bp	295229	1,14	down
5965495	7210599	1400514	apolipoprotein A-I binding protein	Apoa1bp	295229	1,03	down
5968691	7210599	1400514	apolipoprotein A-I binding protein	Apoa1bp	295229	1,01	down

6015590	7210599	1400511	apolipoprotein A-I binding protein	Apoa1bp	295229	1,07	down
6168952	7210599	1400513	apolipoprotein A-I binding protein	Apoa1bp	295229	1,27	up
6437901	7210599	1400514	apolipoprotein A-I binding protein	Apoa1bp	295229	1,21	up
6729417	7210599	1400510	apolipoprotein A-I binding protein	Apoa1bp	295229	2,28	down
5721265	7329479	1694174	apolipoprotein L 9a	Apol9a	503164	1,01	down
5866712	7329479	1694176	apolipoprotein L 9a	Apol9a	503164	1,66	down
5881446	7329479	1694173	apolipoprotein L 9a	Apol9a	503164	1,58	down
6030293	7329479	1694175	apolipoprotein L 9a	Apol9a	503164	1,05	down
6534289	7329479	1694177	apolipoprotein L 9a	Apol9a	503164	2,35	up
5627579	7080812	1081165	apoptosis antagonizing transcription factor	Aatf	114512	2,17	up
5647405	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	1,15	down
5700060	7080812	1081161	apoptosis antagonizing transcription factor	Aatf	114512	1,01	up
5762639	7080812	1081158	apoptosis antagonizing transcription factor	Aatf	114512	1,07	up
5987736	7080812	1081156	apoptosis antagonizing transcription factor	Aatf	114512	1,33	down
6001096	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	1,25	up
6033903	7080812	1081163	apoptosis antagonizing transcription factor	Aatf	114512	1,10	up
6034882	7080812	1081160	apoptosis antagonizing transcription factor	Aatf	114512	1,22	down
6050944	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	1,32	down
6106149	7080812	1081156	apoptosis antagonizing transcription factor	Aatf	114512	1,26	down
6211379	7080812	1081159	apoptosis antagonizing transcription factor	Aatf	114512	1,17	down
6245097	7080812	1081167	apoptosis antagonizing transcription factor	Aatf	114512	1,01	down
6256022	7080812	1081157	apoptosis antagonizing transcription factor	Aatf	114512	1,66	up
6261284	7080812	1081164	apoptosis antagonizing transcription factor	Aatf	114512	1,33	up
6324752	7080812	1081166	apoptosis antagonizing transcription factor	Aatf	114512	1,31	up
6415395	7080812	1081162	apoptosis antagonizing transcription factor	Aatf	114512	1,32	up
6573631	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	1,39	down
6051118	7084993	1090664	apoptosis-associated tyrosine kinase	Aatk	690853	1,50	down
6382977	7084993	1090665	apoptosis-associated tyrosine kinase	Aatk	690853	1,06	up
6565344	7084993	1090666	apoptosis-associated tyrosine kinase	Aatk	690853	1,29	down
5617759	7323725	1680456	apoptotic peptidase activating factor 1	Apaf1	78963	1,21	down
5657024	7323725	1680451	apoptotic peptidase activating factor 1	Apaf1	78963	1,01	up
5657236	7323725	1680467	apoptotic peptidase activating factor 1	Apaf1	78963	1,27	down
5713477	7323725	1680449	apoptotic peptidase activating factor 1	Apaf1	78963	1,32	up
5763728	7323725	1680463	apoptotic peptidase activating factor 1	Apaf1	78963	2,72	down
5778162	7323725	1680467	apoptotic peptidase activating factor 1	Apaf1	78963	1,89	down
5823977	7323725	1680450	apoptotic peptidase activating factor 1	Apaf1	78963	1,54	up
5831704	7323725	1680459	apoptotic peptidase activating factor 1	Apaf1	78963	1,04	down
5838404	7323725	1680458	apoptotic peptidase activating factor 1	Apaf1	78963	1,21	up
5885574	7323725	1680464	apoptotic peptidase activating factor 1	Apaf1	78963	1,14	down
5992340	7323725	1680455	apoptotic peptidase activating factor 1	Apaf1	78963	1,07	down
6015782	7323725	1680460	apoptotic peptidase activating factor 1	Apaf1	78963	1,60	up
6030794	7323725	1680457	apoptotic peptidase activating factor 1	Apaf1	78963	1,12	up
6127302	7323725	1680456	apoptotic peptidase activating factor 1	Apaf1	78963	1,22	down
6160921	7323725	1680452	apoptotic peptidase activating factor 1	Apaf1	78963	1,06	up
6180627	7323725	1680467	apoptotic peptidase activating factor 1	Apaf1	78963	1,18	up
6209852	7323725	1680453	apoptotic peptidase activating factor 1	Apaf1	78963	1,32	down
6233556	7323725	1680454	apoptotic peptidase activating factor 1	Apaf1	78963	1,03	down
6355215	7323725	1680465	apoptotic peptidase activating factor 1	Apaf1	78963	1,08	down
6492124	7323725	1680466	apoptotic peptidase activating factor 1	Apaf1	78963	1,08	down
6616828	7323725	1680466	apoptotic peptidase activating factor 1	Apaf1	78963	1,72	down
6618357	7323725	1680462	apoptotic peptidase activating factor 1	Apaf1	78963	1,01	down
6619268	7323725	1680446	apoptotic peptidase activating factor 1	Apaf1	78963	1,43	up
6633634	7323725	1680443	apoptotic peptidase activating factor 1	Apaf1	78963	1,72	down
6641136	7323725	1680445	apoptotic peptidase activating factor 1	Apaf1	78963	1,10	down
6644288	7323725	1680449	apoptotic peptidase activating factor 1	Apaf1	78963	1,52	up
6649829	7323725	1680448	apoptotic peptidase activating factor 1	Apaf1	78963	1,15	up

6663541	7323725	1680447	apoptotic peptidase activating factor 1	Apaf1	78963	1,08	up
6681431	7323725	1680444	apoptotic peptidase activating factor 1	Apaf1	78963	1,05	up
6707514	7323725	1680461	apoptotic peptidase activating factor 1	Apaf1	78963	1,79	up
6171348	7254050	1507627	aquaporin 1	Aqp1	25240	1,25	up
6246863	7254050	1507625	aquaporin 1	Aqp1	25240	1,06	up
6266020	7254050	1507624	aquaporin 1	Aqp1	25240	1,09	down
6459283	7254050	1507626	aquaporin 1	Aqp1	25240	2,23	down
6464683	7254050	1507623	aquaporin 1	Aqp1	25240	1,39	up
5664118	7282343	1578684	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,71	down
5683422	7282343	1578675	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,21	up
5693237	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,09	down
5717185	7282343	1578667	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,01	up
5823929	7282343	1578686	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,38	down
5826245	7282343	1578686	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,02	up
5874786	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,31	down
5876195	7282343	1578674	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,08	down
5878399	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,14	up
5904326	7282343	1578686	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,56	up
5925764	7282343	1578662	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,80	down
6017723	7282343	1578691	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,33	up
6034431	7282343	1578684	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,19	up
6135490	7282343	1578690	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,03	down
6198204	7282343	1578688	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,06	down
6248054	7282343	1578679	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,17	up
6260332	7282343	1578691	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,36	down
6264606	7282343	1578681	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,10	up
6267628	7282343	1578669	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,36	down
6344437	7282343	1578671	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,01	down
6351266	7282343	1578673	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,25	up
6355824	7282343	1578682	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,14	up
6395737	7282343	1578663	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,22	up
6458715	7282343	1578680	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,03	down
6470869	7282343	1578689	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,00	up
6486960	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,08	down
6539326	7282343	1578672	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,13	up
6617221	7282343	1578687	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,09	down
6638859	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,18	down
6641421	7282343	1578676	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,05	down
6651701	7282343	1578683	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,06	down
6664485	7282343	1578685	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,21	up
6686133	7282343	1578670	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,14	down
5653337	7151468	1254147	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,57	down
5671356	7151468	1254152	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,21	down
5709283	7151468	1254166	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,07	down
5718409	7151468	1254167	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,31	down
5747520	7151468	1254161	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,23	up
5818651	7151468	1254156	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,12	up
5818988	7151468	1254169	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,95	up
5877518	7151468	1254156	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,38	down
5898027	7151468	1254145	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,22	down
5943858	7151468	1254160	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,21	down
5949692	7151468	1254148	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,20	down
5987679	7151468	1254147	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,32	up
6014142	7151468	1254146	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,60	down
6041232	7151468	1254162	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,11	down
6087516	7151468	1254169	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,24	down

6111481	7151468	1254165	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,40	up
6117034	7151468	1254155	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,25	down
6121053	7151468	1254164	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,10	up
6151152	7151468	1254167	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,05	up
6156251	7151468	1254159	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,00	down
6168886	7151468	1254151	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,42	down
6248775	7151468	1254168	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,12	down
6397133	7151468	1254156	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	2,05	up
6467388	7151468	1254150	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,04	up
6538998	7151468	1254163	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,13	up
6541345	7151468	1254166	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,07	down
6572138	7151468	1254157	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,01	down
6592698	7151468	1254149	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,18	up
6607649	7151468	1254158	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,33	up
6616482	7151468	1254154	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,16	up
6674895	7151468	1254153	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,15	down
6701006	7151468	1254163	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,12	up
5660440	7273983	1557526	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,03	up
5663977	7273983	1557543	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,05	down
5724348	7273983	1557540	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,38	down
5765901	7273983	1557546	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,16	down
5847653	7273983	1557538	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,11	up
5859477	7273983	1557531	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,13	up
5933404	7273983	1557537	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,43	down
5937840	7273983	1557544	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,15	down
6012613	7273983	1557534	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,70	up
6028627	7273983	1557525	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,18	up
6080939	7273983	1557539	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,05	down
6357382	7273983	1557530	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,06	up
6378972	7273983	1557524	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,14	up
6398239	7273983	1557545	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,10	up
6401281	7273983	1557536	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,20	down
6456845	7273983	1557527	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,11	down
6533689	7273983	1557532	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,03	up
6555433	7273983	1557523	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,01	up
6716974	7273983	1557535	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,12	down
6741713	7273983	1557542	arginyl-tRNA synthetase 2, mitochondrial	Rars2	297969	1,11	down
5681309	7375561	1810505	aristaless related homeobox	Arx	317268	1,12	down
5835692	7375561	1810503	aristaless related homeobox	Arx	317268	1,02	up
5850664	7375561	1810505	aristaless related homeobox	Arx	317268	1,02	down
5922272	7375561	1810499	aristaless related homeobox	Arx	317268	1,14	up
5930242	7375561	1810498	aristaless related homeobox	Arx	317268	1,04	up
6095146	7375561	1810500	aristaless related homeobox	Arx	317268	1,05	down
6128869	7375561	1810505	aristaless related homeobox	Arx	317268	3,30	down
6153680	7375561	1810499	aristaless related homeobox	Arx	317268	1,19	down
6247329	7375561	1810499	aristaless related homeobox	Arx	317268	1,20	up
6272174	7375561	1810499	aristaless related homeobox	Arx	317268	1,10	down
6391664	7375561	1810499	aristaless related homeobox	Arx	317268	1,31	up
6429836	7375561	1810499	aristaless related homeobox	Arx	317268	1,83	up
6481716	7375561	1810498	aristaless related homeobox	Arx	317268	1,63	down
6508785	7375561	1810495	aristaless related homeobox	Arx	317268	1,64	down
5650795	7095262	1115656	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,34	up
5698903	7095262	1115635	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,07	up
5831718	7095262	1115639	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,18	down
5899611	7095262	1115645	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,51	down
6064049	7095262	1115650	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,25	down

6170507	7095262	1115643	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,37	down
6229265	7095262	1115640	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,21	up
6311654	7095262	1115638	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,95	down
6319656	7095262	1115641	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,08	down
6332286	7095262	1115640	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,03	down
6421213	7095262	1115651	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,70	down
6452842	7095262	1115637	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,67	up
6466545	7095262	1115651	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,18	down
6474207	7095262	1115648	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,14	down
6516660	7095262	1115665	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,44	up
6571838	7095262	1115635	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,12	down
6586004	7095262	1115642	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,38	down
6590720	7095262	1115652	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,10	up
6630005	7095262	1115664	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,00	down
6667082	7095262	1115647	armadillo repeat gene deleted in velo-cardio-facial syndrome	Arvcf	303798	1,12	up
5646519	7144135	1236326	arrestin domain containing 2	Arrdc2	306344	1,98	down
5747005	7144135	1236327	arrestin domain containing 2	Arrdc2	306344	1,65	down
5976398	7144135	1236323	arrestin domain containing 2	Arrdc2	306344	1,60	up
6033331	7144135	1236327	arrestin domain containing 2	Arrdc2	306344	1,02	down
6066300	7144135	1236327	arrestin domain containing 2	Arrdc2	306344	1,45	up
6077747	7144135	1236326	arrestin domain containing 2	Arrdc2	306344	1,26	up
6107210	7144135	1236323	arrestin domain containing 2	Arrdc2	306344	1,26	down
6114431	7144135	1236325	arrestin domain containing 2	Arrdc2	306344	1,65	up
6148156	7144135	1236323	arrestin domain containing 2	Arrdc2	306344	1,18	down
6150452	7144135	1236324	arrestin domain containing 2	Arrdc2	306344	2,24	up
6195265	7144135	1236325	arrestin domain containing 2	Arrdc2	306344	1,17	down
6249731	7144135	1236323	arrestin domain containing 2	Arrdc2	306344	1,05	down
6359334	7144135	1236323	arrestin domain containing 2	Arrdc2	306344	1,33	down
6479802	7144135	1236323	arrestin domain containing 2	Arrdc2	306344	1,35	down
6489678	7144135	1236327	arrestin domain containing 2	Arrdc2	306344	1,21	up
6510461	7144135	1236323	arrestin domain containing 2	Arrdc2	306344	1,28	down
6546959	7144135	1236327	arrestin domain containing 2	Arrdc2	306344	1,29	down
6605117	7144135	1236327	arrestin domain containing 2	Arrdc2	306344	1,12	up
6738183	7144135	1236326	arrestin domain containing 2	Arrdc2	306344	1,87	up
5662890	7052567	1015264	arrestin domain containing 4	Arrdc4	293019	1,10	up
5743018	7052567	1015263	arrestin domain containing 4	Arrdc4	293019	1,25	down
5981442	7052567	1015265	arrestin domain containing 4	Arrdc4	293019	1,46	up
6092882	7052567	1015260	arrestin domain containing 4	Arrdc4	293019	1,02	up
6219756	7052567	1015265	arrestin domain containing 4	Arrdc4	293019	1,26	up
6237855	7052567	1015256	arrestin domain containing 4	Arrdc4	293019	1,16	up
6365014	7052567	1015261	arrestin domain containing 4	Arrdc4	293019	1,22	up
6565143	7052567	1015267	arrestin domain containing 4	Arrdc4	293019	1,43	down
5675501	7290406	1597669	artemin	Artn	362572	2,17	up
5733080	7290406	1597668	artemin	Artn	362572	1,61	down
5824069	7290406	1597672	artemin	Artn	362572	1,01	down
5864857	7290406	1597671	artemin	Artn	362572	2,07	down
5890204	7290406	1597668	artemin	Artn	362572	1,00	up
5960289	7290406	1597670	artemin	Artn	362572	1,10	up
5966491	7290406	1597669	artemin	Artn	362572	1,13	down
5994593	7290406	1597668	artemin	Artn	362572	1,62	up
6194116	7290406	1597671	artemin	Artn	362572	1,06	down
6340353	7290406	1597669	artemin	Artn	362572	1,02	down
6396548	7290406	1597667	artemin	Artn	362572	1,00	down
6741962	7290406	1597669	artemin	Artn	362572	1,54	down
5693055	7196966	1367645	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,19	up
5749068	7196966	1367643	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,19	down

5832169	7196966	1367637	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,19	up
5877052	7196966	1367636	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,05	up
5929568	7196966	1367631	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,70	down
5938284	7196966	1367634	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,07	up
5960755	7196966	1367636	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,02	up
5991420	7196966	1367649	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,32	up
6037680	7196966	1367629	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,35	up
6046516	7196966	1367630	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,25	up
6050349	7196966	1367646	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,08	down
6053360	7196966	1367644	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,28	up
6171596	7196966	1367635	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,02	up
6178310	7196966	1367635	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,12	up
6222315	7196966	1367640	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,21	down
6254791	7196966	1367634	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,69	up
6277591	7196966	1367648	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,10	down
6301649	7196966	1367642	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,02	down
6315340	7196966	1367651	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,10	down
6379950	7196966	1367632	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,06	up
6383806	7196966	1367640	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	2,27	down
6438112	7196966	1367647	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,73	down
6475821	7196966	1367650	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,21	up
6582301	7196966	1367638	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,08	down
6589829	7196966	1367639	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,14	up
6712088	7196966	1367634	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,13	up
6738716	7196966	1367641	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,28	down
5745538	7069195	1053999	asialoglycoprotein receptor 2	Asgr2	29403	1,01	down
6016489	7069195	1053995	asialoglycoprotein receptor 2	Asgr2	29403	1,11	up
6058320	7069195	1054002	asialoglycoprotein receptor 2	Asgr2	29403	1,07	down
6135591	7069195	1053996	asialoglycoprotein receptor 2	Asgr2	29403	1,09	up
6266488	7069195	1054001	asialoglycoprotein receptor 2	Asgr2	29403	1,57	down
6266870	7069195	1054003	asialoglycoprotein receptor 2	Asgr2	29403	1,40	up
6276287	7069195	1054000	asialoglycoprotein receptor 2	Asgr2	29403	1,10	down
6311011	7069195	1053996	asialoglycoprotein receptor 2	Asgr2	29403	1,09	down
6323155	7069195	1053996	asialoglycoprotein receptor 2	Asgr2	29403	1,50	up
6450366	7069195	1053997	asialoglycoprotein receptor 2	Asgr2	29403	1,11	down
6567348	7069195	1053998	asialoglycoprotein receptor 2	Asgr2	29403	1,05	down
6608247	7069195	1054000	asialoglycoprotein receptor 2	Asgr2	29403	1,08	up
6649923	7069195	1053997	asialoglycoprotein receptor 2	Asgr2	29403	2,59	down
6696720	7069195	1054000	asialoglycoprotein receptor 2	Asgr2	29403	1,26	down
5643006	7105814	1141787	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,17	up
5649128	7105814	1141781	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,03	up
5762811	7105814	1141786	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,10	up
5780628	7105814	1141784	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,11	down
5782337	7105814	1141793	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,24	down
5797639	7105814	1141780	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,25	up
5849143	7105814	1141777	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,44	down
5854761	7105814	1141787	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,07	down
5859471	7105814	1141794	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,20	up
5859759	7105814	1141796	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,22	up
5877333	7105814	1141777	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,27	up
5880851	7105814	1141791	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,12	up
5910820	7105814	1141779	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,33	up
5940328	7105814	1141783	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,02	down
5942959	7105814	1141774	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,32	down
5943908	7105814	1141785	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,00	up
5957665	7105814	1141800	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,18	up

5986520	7105814	1141788	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,22	up
6017191	7105814	1141802	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,13	down
6127386	7105814	1141799	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,14	up
6175856	7105814	1141791	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,10	up
6179095	7105814	1141789	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,04	up
6224315	7105814	1141790	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,14	down
6230663	7105814	1141804	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,08	up
6242291	7105814	1141791	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,14	up
6279276	7105814	1141776	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,86	down
6319296	7105814	1141785	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,26	down
6382843	7105814	1141786	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,18	up
6387669	7105814	1141798	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,02	down
6392478	7105814	1141797	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,07	up
6445708	7105814	1141795	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,24	up
6466133	7105814	1141782	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,90	down
6518546	7105814	1141774	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,45	down
6575316	7105814	1141802	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,12	down
6592296	7105814	1141794	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,82	down
6672222	7105814	1141803	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	2,50	up
6684861	7105814	1141792	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,15	up
5702160	7060230	1032041	asparaginase like 1	Asrgl1	246307	1,43	up
5813063	7060230	1032043	asparaginase like 1	Asrgl1	246307	1,11	down
5867833	7060230	1032045	asparaginase like 1	Asrgl1	246307	1,20	up
5938927	7060230	1032044	asparaginase like 1	Asrgl1	246307	1,23	down
5963948	7060230	1032039	asparaginase like 1	Asrgl1	246307	2,52	down
6027953	7060230	1032042	asparaginase like 1	Asrgl1	246307	1,12	down
6137134	7060230	1032045	asparaginase like 1	Asrgl1	246307	1,08	up
6282776	7060230	1032040	asparaginase like 1	Asrgl1	246307	1,01	up
6292946	7060230	1032040	asparaginase like 1	Asrgl1	246307	1,13	up
5666897	7151063	1253069	aspartylglucosaminidase	Aga	290923	1,02	down
5767508	7151063	1253073	aspartylglucosaminidase	Aga	290923	1,12	down
5930131	7151063	1253067	aspartylglucosaminidase	Aga	290923	1,67	down
6126702	7151063	1253065	aspartylglucosaminidase	Aga	290923	1,40	down
6261318	7151063	1253064	aspartylglucosaminidase	Aga	290923	1,05	down
6424896	7151063	1253063	aspartylglucosaminidase	Aga	290923	1,32	down
6449602	7151063	1253070	aspartylglucosaminidase	Aga	290923	1,07	down
6479341	7151063	1253062	aspartylglucosaminidase	Aga	290923	1,17	up
6572963	7151063	1253068	aspartylglucosaminidase	Aga	290923	1,31	down
5635886	7113083	1159971	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,63	up
5673313	7113083	1159969	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,07	up
5694754	7113083	1159979	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,01	up
5734987	7113083	1159966	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,69	down
5751285	7113083	1159975	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,12	down
5837611	7113083	1159980	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,34	down
5841446	7113083	1159974	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,34	up
5881011	7113083	1159964	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,02	down
5961303	7113083	1159963	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,12	up
5995714	7113083	1159967	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,12	up
6198335	7113083	1159963	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,01	up
6206504	7113083	1159966	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	2,15	down
6304189	7113083	1159973	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,28	down
6317345	7113083	1159970	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,20	down
6375205	7113083	1159976	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,33	down
6446439	7113083	1159977	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,35	up
6598995	7113083	1159978	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,48	down
6707338	7113083	1159972	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,21	down

5654881	7320337	1673323	AT rich interactive domain 2 (Arid-rfx like)	Arid2	366980	1,04	down
6509611	7320337	1673340	AT rich interactive domain 2 (Arid-rfx like)	Arid2	366980	1,32	down
5777265	7165280	1287234	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,17	up
5811243	7165280	1287245	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,11	down
5829076	7165280	1287240	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,18	down
5951842	7165280	1287237	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,04	down
5985962	7165280	1287247	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,08	up
6036388	7165280	1287230	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,08	up
6047556	7165280	1287242	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,09	down
6080248	7165280	1287246	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,18	down
6110453	7165280	1287229	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,30	up
6143984	7165280	1287241	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,00	down
6157847	7165280	1287231	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,21	down
6249965	7165280	1287239	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	2,20	down
6271953	7165280	1287227	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,43	down
6308910	7165280	1287229	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,24	down
6316325	7165280	1287244	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,15	up
6328264	7165280	1287232	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,14	up
6378880	7165280	1287248	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,27	down
6541269	7165280	1287243	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,00	down
6551949	7165280	1287236	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,17	up
6573285	7165280	1287238	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,04	down
6585856	7165280	1287235	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,22	up
6605698	7165280	1287233	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,24	up
6666111	7165280	1287228	AT rich interactive domain 4B (Rbp1 like)	Arid4b	84481	1,01	down
6015842	7218259	1418799	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,07	down
6016108	7218259	1418796	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,07	up
6022524	7218259	1418772	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,82	up
6088239	7218259	1418803	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,20	up
6090929	7218259	1418805	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,14	down
6255056	7218259	1418801	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,20	down
6292381	7218259	1418785	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,32	up
6431325	7218259	1418798	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,06	up
6486865	7218259	1418777	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,49	up
6576894	7218259	1418805	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,62	down
6593411	7218259	1418798	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,91	down
6635611	7218259	1418804	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,15	up
6681203	7218259	1418771	AT rich interactive domain 5B (Mrf1 like)	Arid5b	309728	1,67	down
5635281	7309811	1647120	ataxin 3	Atxn3	60331	1,88	down
5942547	7309811	1647125	ataxin 3	Atxn3	60331	1,12	up
6109376	7309811	1647117	ataxin 3	Atxn3	60331	1,04	up
6194353	7309811	1647126	ataxin 3	Atxn3	60331	1,38	down
6211454	7309811	1647122	ataxin 3	Atxn3	60331	1,56	up
6332257	7309811	1647118	ataxin 3	Atxn3	60331	1,10	up
6398030	7309811	1647123	ataxin 3	Atxn3	60331	1,37	up
6568647	7309811	1647127	ataxin 3	Atxn3	60331	2,24	down
6590942	7309811	1647121	ataxin 3	Atxn3	60331	1,20	up
6614167	7309811	1647119	ataxin 3	Atxn3	60331	1,02	down
6638390	7309811	1647124	ataxin 3	Atxn3	60331	1,03	up
6731434	7309811	1647126	ataxin 3	Atxn3	60331	1,63	up
5749292	7297274	1614633	ataxin 7-like 1	Atxn711	314033	1,19	down
5968818	7297274	1614633	ataxin 7-like 1	Atxn711	314033	1,08	up
5719651	7175368	1313287	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	2,46	down
5951824	7175368	1313281	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	1,08	up
6035038	7175368	1313287	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	1,22	up
6160738	7175368	1313286	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	1,10	up

6166747	7175368	1313280	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	1,42	down
6202826	7175368	1313280	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	1,09	down
6555277	7175368	1313279	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	1,44	up
6701533	7175368	1313281	ATG12 autophagy related 12 homolog (S. cerevisiae)	Atg12	361321	1,28	up
5669731	7039271	983681	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,07	down
5686563	7039271	983702	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,10	down
5696025	7039271	983710	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,56	down
5697209	7039271	983701	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,10	up
5699412	7039271	983711	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,41	down
5700017	7039271	983706	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,39	up
5702290	7039271	983707	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,08	up
5726511	7039271	983697	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,01	down
5752894	7039271	983686	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,43	down
5763034	7039271	983699	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,13	up
5781139	7039271	983687	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,02	up
5793130	7039271	983698	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,02	up
5814516	7039271	983688	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,03	up
5824256	7039271	983685	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,34	up
5832934	7039271	983682	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,21	down
5897873	7039271	983697	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,01	up
5898995	7039271	983705	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,07	down
5913939	7039271	983700	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,06	down
5943917	7039271	983689	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,08	up
5945648	7039271	983695	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,13	up
6058045	7039271	983683	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,20	up
6067498	7039271	983680	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,13	up
6082363	7039271	983708	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,03	up
6163075	7039271	983706	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,80	down
6209797	7039271	983696	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,09	down
6217766	7039271	983704	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,01	down
6247637	7039271	983706	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,41	down
6260432	7039271	983715	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,35	down
6262564	7039271	983712	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,40	down
6271669	7039271	983705	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,14	down
6310461	7039271	983694	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,03	down
6317912	7039271	983691	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,11	up
6339242	7039271	983693	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,17	up
6345228	7039271	983717	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,26	down
6394030	7039271	983685	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,03	up
6456162	7039271	983688	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	2,26	up
6463499	7039271	983709	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,28	down
6498412	7039271	983713	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,08	down
6514936	7039271	983706	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,01	up
6519325	7039271	983700	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,19	up
6519401	7039271	983684	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,10	up
6577805	7039271	983690	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,03	down
6582279	7039271	983692	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,39	up
6590182	7039271	983688	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,21	down
6604606	7039271	983703	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,09	up
6681696	7039271	983680	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,15	up
6694583	7039271	983716	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,73	down
6723507	7039271	983717	ATG2 autophagy related 2 homolog A (S. cerevisiae)	Atg2a	689688	1,16	up
5785627	7357890	1764397	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	2,50	down
5834752	7357890	1764392	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,55	up
5888669	7357890	1764393	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,37	down
6001208	7357890	1764397	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,33	up

6041078	7357890	1764396	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,15	up
6135531	7357890	1764397	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,24	up
6325913	7357890	1764391	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,39	up
6338624	7357890	1764394	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,17	down
6415894	7357890	1764391	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,10	down
6580185	7357890	1764397	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,34	down
6682829	7357890	1764397	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,10	up
6719137	7357890	1764397	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,40	up
6732350	7357890	1764395	ATG4 autophagy related 4 homolog B (S. cerevisiae)	Atg4b	316640	1,22	down
5625507	7363911	1778844	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,01	up
5687723	7363911	1778838	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,02	down
5693457	7363911	1778831	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,05	up
5701678	7363911	1778835	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,01	up
5777274	7363911	1778843	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,04	up
5826567	7363911	1778835	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,15	up
5873615	7363911	1778839	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,04	up
6048797	7363911	1778840	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,22	down
6086900	7363911	1778845	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	2,22	down
6088130	7363911	1778830	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,22	down
6114506	7363911	1778833	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,20	up
6125266	7363911	1778845	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,26	up
6211923	7363911	1778834	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,11	up
6227055	7363911	1778838	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,01	down
6241191	7363911	1778837	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,06	down
6384575	7363911	1778841	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,02	up
6475634	7363911	1778843	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,18	up
6541991	7363911	1778836	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,06	up
6556616	7363911	1778842	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,21	down
6636045	7363911	1778832	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,16	up
6667421	7363911	1778831	ATG9 autophagy related 9 homolog A (S. cerevisiae)	Atg9a	363254	1,06	down
5625236	7287337	1589988	AT-hook transcription factor	Akna	362530	1,52	up
5645468	7287337	1589990	AT-hook transcription factor	Akna	362530	1,35	up
5729785	7287337	1589994	AT-hook transcription factor	Akna	362530	1,73	down
5751463	7287337	1589979	AT-hook transcription factor	Akna	362530	1,40	up
5821889	7287337	1589974	AT-hook transcription factor	Akna	362530	1,01	up
5838591	7287337	1589996	AT-hook transcription factor	Akna	362530	2,50	up
5864584	7287337	1589983	AT-hook transcription factor	Akna	362530	1,75	down
5866648	7287337	1589997	AT-hook transcription factor	Akna	362530	2,22	down
5942283	7287337	1589987	AT-hook transcription factor	Akna	362530	1,17	up
6000745	7287337	1589975	AT-hook transcription factor	Akna	362530	1,54	down
6016620	7287337	1589971	AT-hook transcription factor	Akna	362530	1,48	up
6072461	7287337	1589987	AT-hook transcription factor	Akna	362530	1,95	up
6120194	7287337	1589993	AT-hook transcription factor	Akna	362530	2,08	up
6163202	7287337	1589986	AT-hook transcription factor	Akna	362530	1,15	up
6190516	7287337	1589969	AT-hook transcription factor	Akna	362530	1,63	down
6199863	7287337	1589977	AT-hook transcription factor	Akna	362530	1,53	up
6206377	7287337	1589996	AT-hook transcription factor	Akna	362530	1,26	up
6222446	7287337	1589994	AT-hook transcription factor	Akna	362530	1,45	up
6303469	7287337	1589990	AT-hook transcription factor	Akna	362530	1,90	up
6331168	7287337	1589980	AT-hook transcription factor	Akna	362530	1,53	up
6346685	7287337	1589969	AT-hook transcription factor	Akna	362530	1,36	up
6386896	7287337	1589973	AT-hook transcription factor	Akna	362530	1,15	down
6394658	7287337	1589994	AT-hook transcription factor	Akna	362530	3,51	up
6488379	7287337	1589994	AT-hook transcription factor	Akna	362530	1,19	up
6522448	7287337	1589982	AT-hook transcription factor	Akna	362530	1,30	up
6539870	7287337	1589984	AT-hook transcription factor	Akna	362530	1,86	down

6573001	7287337	1589972	AT-hook transcription factor	Akna	362530	1,80	down
6640918	7287337	1589971	AT-hook transcription factor	Akna	362530	1,58	up
6711280	7287337	1589992	AT-hook transcription factor	Akna	362530	2,11	up
6744974	7287337	1589990	AT-hook transcription factor	Akna	362530	1,26	up
5775623	7181442	1328886	ATM interactor	Atmin	315037	1,07	up
5823051	7181442	1328886	ATM interactor	Atmin	315037	1,07	down
6404385	7181442	1328886	ATM interactor	Atmin	315037	1,18	up
6660795	7181442	1328886	ATM interactor	Atmin	315037	1,34	up
5618140	7155116	1263405	ATP/GTP binding protein 1	Agtppb1	290986	1,04	down
5673188	7155116	1263417	ATP/GTP binding protein 1	Agtppb1	290986	1,01	up
5731357	7155116	1263394	ATP/GTP binding protein 1	Agtppb1	290986	1,19	up
5758259	7155116	1263427	ATP/GTP binding protein 1	Agtppb1	290986	1,16	down
5790687	7155116	1263401	ATP/GTP binding protein 1	Agtppb1	290986	1,19	up
5873509	7155116	1263399	ATP/GTP binding protein 1	Agtppb1	290986	1,04	up
5912424	7155116	1263398	ATP/GTP binding protein 1	Agtppb1	290986	1,13	up
5916001	7155116	1263424	ATP/GTP binding protein 1	Agtppb1	290986	1,05	down
5976704	7155116	1263431	ATP/GTP binding protein 1	Agtppb1	290986	1,28	down
6006334	7155116	1263410	ATP/GTP binding protein 1	Agtppb1	290986	1,01	up
6049599	7155116	1263442	ATP/GTP binding protein 1	Agtppb1	290986	1,10	down
6132197	7155116	1263405	ATP/GTP binding protein 1	Agtppb1	290986	1,09	up
6134142	7155116	1263423	ATP/GTP binding protein 1	Agtppb1	290986	1,15	down
6188706	7155116	1263416	ATP/GTP binding protein 1	Agtppb1	290986	1,19	up
6228486	7155116	1263443	ATP/GTP binding protein 1	Agtppb1	290986	1,68	down
6235048	7155116	1263415	ATP/GTP binding protein 1	Agtppb1	290986	1,11	up
6248300	7155116	1263439	ATP/GTP binding protein 1	Agtppb1	290986	1,15	down
6263411	7155116	1263391	ATP/GTP binding protein 1	Agtppb1	290986	1,10	up
6306284	7155116	1263413	ATP/GTP binding protein 1	Agtppb1	290986	1,03	down
6347335	7155116	1263412	ATP/GTP binding protein 1	Agtppb1	290986	1,01	up
6426612	7155116	1263390	ATP/GTP binding protein 1	Agtppb1	290986	1,46	up
6439384	7155116	1263391	ATP/GTP binding protein 1	Agtppb1	290986	1,16	up
6459082	7155116	1263397	ATP/GTP binding protein 1	Agtppb1	290986	1,09	down
6537997	7155116	1263443	ATP/GTP binding protein 1	Agtppb1	290986	1,73	down
6550758	7155116	1263406	ATP/GTP binding protein 1	Agtppb1	290986	1,12	down
6567658	7155116	1263443	ATP/GTP binding protein 1	Agtppb1	290986	2,03	down
6591373	7155116	1263421	ATP/GTP binding protein 1	Agtppb1	290986	1,38	down
6665469	7155116	1263404	ATP/GTP binding protein 1	Agtppb1	290986	1,39	up
6671437	7155116	1263440	ATP/GTP binding protein 1	Agtppb1	290986	1,59	down
6682337	7155116	1263400	ATP/GTP binding protein 1	Agtppb1	290986	1,11	up
6692730	7155116	1263406	ATP/GTP binding protein 1	Agtppb1	290986	1,07	up
6701266	7155116	1263401	ATP/GTP binding protein 1	Agtppb1	290986	1,36	up
6733976	7155116	1263422	ATP/GTP binding protein 1	Agtppb1	290986	1,18	down
6742351	7155116	1263392	ATP/GTP binding protein 1	Agtppb1	290986	1,06	up
6371491	7229886	1447165	ATP/GTP binding protein-like 2	Agbl2	366124	1,00	up
6515388	7229886	1447145	ATP/GTP binding protein-like 2	Agbl2	366124	1,37	up
5627790	7281077	1575560	ATPase type 13A2	Atp13a2	362645	1,05	down
5638868	7281077	1575562	ATPase type 13A2	Atp13a2	362645	1,07	down
5661805	7281077	1575544	ATPase type 13A2	Atp13a2	362645	1,15	down
5664913	7281077	1575543	ATPase type 13A2	Atp13a2	362645	1,13	down
5665679	7281077	1575550	ATPase type 13A2	Atp13a2	362645	1,33	down
5720170	7281077	1575558	ATPase type 13A2	Atp13a2	362645	1,05	down
5723679	7281077	1575549	ATPase type 13A2	Atp13a2	362645	1,04	down
5752093	7281077	1575552	ATPase type 13A2	Atp13a2	362645	1,29	down
5824014	7281077	1575545	ATPase type 13A2	Atp13a2	362645	1,12	down
5842197	7281077	1575555	ATPase type 13A2	Atp13a2	362645	1,05	up
5849590	7281077	1575557	ATPase type 13A2	Atp13a2	362645	1,23	up
5872877	7281077	1575554	ATPase type 13A2	Atp13a2	362645	1,07	up

5964814	7281077	1575562	ATPase type 13A2	Atp13a2	362645	1,49	down
6016474	7281077	1575547	ATPase type 13A2	Atp13a2	362645	1,22	up
6071720	7281077	1575546	ATPase type 13A2	Atp13a2	362645	1,06	up
6163139	7281077	1575555	ATPase type 13A2	Atp13a2	362645	1,17	down
6179177	7281077	1575548	ATPase type 13A2	Atp13a2	362645	1,06	up
6188052	7281077	1575564	ATPase type 13A2	Atp13a2	362645	1,26	down
6198223	7281077	1575562	ATPase type 13A2	Atp13a2	362645	1,03	up
6335574	7281077	1575540	ATPase type 13A2	Atp13a2	362645	1,37	up
6344339	7281077	1575559	ATPase type 13A2	Atp13a2	362645	1,63	down
6354673	7281077	1575563	ATPase type 13A2	Atp13a2	362645	1,07	down
6400215	7281077	1575551	ATPase type 13A2	Atp13a2	362645	1,14	up
6474479	7281077	1575565	ATPase type 13A2	Atp13a2	362645	1,11	down
6527223	7281077	1575564	ATPase type 13A2	Atp13a2	362645	2,29	down
6530902	7281077	1575553	ATPase type 13A2	Atp13a2	362645	1,03	down
6571421	7281077	1575561	ATPase type 13A2	Atp13a2	362645	1,17	up
6597800	7281077	1575541	ATPase type 13A2	Atp13a2	362645	1,02	up
6603925	7281077	1575542	ATPase type 13A2	Atp13a2	362645	1,41	up
6648364	7281077	1575556	ATPase type 13A2	Atp13a2	362645	1,60	up
5643586	7118356	1173141	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,30	up
5699954	7118356	1173152	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,06	down
5713034	7118356	1173198	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,04	down
5745366	7118356	1173137	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	down
5776234	7118356	1173155	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,53	up
5800853	7118356	1173165	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,10	up
5855460	7118356	1173105	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,13	down
5922432	7118356	1173105	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,29	up
5966415	7118356	1173131	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,47	up
5971396	7118356	1173138	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,18	up
5983779	7118356	1173202	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,22	down
5984886	7118356	1173197	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,24	up
6012767	7118356	1173149	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	2,02	up
6056022	7118356	1173127	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,34	up
6059569	7118356	1173172	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,15	down
6064249	7118356	1173143	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	down
6094155	7118356	1173189	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,05	up
6097102	7118356	1173134	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,20	down
6132279	7118356	1173119	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,34	up
6164612	7118356	1173188	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	down
6194701	7118356	1173187	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	up
6235880	7118356	1173182	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,39	down
6247124	7118356	1173147	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,15	down
6281637	7118356	1173157	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,00	up
6316818	7118356	1173116	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,22	down
6317605	7118356	1173157	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,18	down
6327251	7118356	1173177	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,04	down
6409665	7118356	1173117	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,52	down
6445329	7118356	1173133	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,15	up
6468631	7118356	1173106	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,06	up
6487794	7118356	1173142	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,14	up
6492330	7118356	1173181	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,05	up
6517094	7118356	1173146	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,07	down
6605005	7118356	1173201	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,06	down
6613573	7118356	1173118	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,10	up
6621609	7118356	1173183	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	down
6642127	7118356	1173167	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,07	up
6674531	7118356	1173139	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,24	up

6682168	7118356	1173148	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,06	up
6689366	7118356	1173178	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,16	up
6699121	7118356	1173158	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	down
5649256	7268482	1543721	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,07	down
5651753	7268482	1543717	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,02	down
5677600	7268482	1543720	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,63	up
5727345	7268482	1543712	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,01	down
5728221	7268482	1543713	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,17	down
5832200	7268482	1543704	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,20	up
5865789	7268482	1543722	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	3,33	up
5885728	7268482	1543705	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,27	down
5912570	7268482	1543716	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,35	down
6025041	7268482	1543719	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,74	up
6082423	7268482	1543718	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,16	down
6190575	7268482	1543706	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,25	down
6264907	7268482	1543708	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,06	up
6265406	7268482	1543715	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,09	up
6360152	7268482	1543702	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,26	down
6366295	7268482	1543707	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,16	up
6511693	7268482	1543701	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,18	down
6518671	7268482	1543719	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,23	up
6614619	7268482	1543703	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,33	down
6665168	7268482	1543709	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,13	up
6703548	7268482	1543714	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,11	down
6715251	7268482	1543710	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,18	down
6738498	7268482	1543711	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,06	up
5630298	7111227	1155325	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,04	down
5690712	7111227	1155335	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,06	down
5729789	7111227	1155327	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	2,41	up
5882711	7111227	1155321	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,03	down
5944034	7111227	1155331	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,37	down
5964649	7111227	1155319	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,66	down
6073477	7111227	1155334	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,02	up
6096368	7111227	1155328	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,11	down
6126454	7111227	1155333	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,24	up
6145303	7111227	1155322	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,02	up
6153389	7111227	1155330	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,28	up
6157677	7111227	1155323	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,13	up
6242569	7111227	1155324	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,10	up
6289234	7111227	1155335	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,14	up
6376341	7111227	1155317	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,10	down
6420961	7111227	1155336	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,39	up
6431738	7111227	1155318	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,25	up
6449186	7111227	1155317	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,10	down
6544634	7111227	1155329	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,22	up
6544666	7111227	1155326	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,07	down
6647614	7111227	1155318	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,24	up
6726948	7111227	1155320	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,33	down
6729959	7111227	1155332	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,12	up
5703750	7032204	966173	ATPase, class V, type 10A	Atp10a	365266	1,20	down
5730159	7032204	966173	ATPase, class V, type 10A	Atp10a	365266	1,08	up
5806654	7032204	966155	ATPase, class V, type 10A	Atp10a	365266	1,23	down
5867930	7032204	966172	ATPase, class V, type 10A	Atp10a	365266	2,37	up
5891271	7032204	966162	ATPase, class V, type 10A	Atp10a	365266	1,07	down
5953151	7032204	966170	ATPase, class V, type 10A	Atp10a	365266	1,25	down
5956503	7032204	966161	ATPase, class V, type 10A	Atp10a	365266	1,12	up

5979348	7032204	966157	ATPase, class V, type 10A	Atp10a	365266	1,00	down
6036438	7032204	966120	ATPase, class V, type 10A	Atp10a	365266	1,37	down
6219227	7032204	966163	ATPase, class V, type 10A	Atp10a	365266	2,09	up
6303552	7032204	966167	ATPase, class V, type 10A	Atp10a	365266	1,35	up
6307143	7032204	966166	ATPase, class V, type 10A	Atp10a	365266	1,22	up
6476797	7032204	966169	ATPase, class V, type 10A	Atp10a	365266	1,02	up
6575634	7032204	966173	ATPase, class V, type 10A	Atp10a	365266	1,55	up
6602293	7032204	966165	ATPase, class V, type 10A	Atp10a	365266	1,11	up
6700789	7032204	966160	ATPase, class V, type 10A	Atp10a	365266	1,03	up
6732174	7032204	966164	ATPase, class V, type 10A	Atp10a	365266	1,04	down
5662550	7125160	1189597	ATPase, class V, type 10D	Atp10d	360932	1,54	down
5670029	7125160	1189583	ATPase, class V, type 10D	Atp10d	360932	1,08	down
5694889	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,17	down
5723715	7125160	1189570	ATPase, class V, type 10D	Atp10d	360932	3,03	down
5725193	7125160	1189585	ATPase, class V, type 10D	Atp10d	360932	1,05	down
5754981	7125160	1189600	ATPase, class V, type 10D	Atp10d	360932	1,13	up
5774907	7125160	1189595	ATPase, class V, type 10D	Atp10d	360932	1,15	up
5793860	7125160	1189577	ATPase, class V, type 10D	Atp10d	360932	1,01	down
5949922	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,05	up
5979015	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,23	up
6013490	7125160	1189582	ATPase, class V, type 10D	Atp10d	360932	1,02	down
6028222	7125160	1189574	ATPase, class V, type 10D	Atp10d	360932	1,58	down
6187294	7125160	1189592	ATPase, class V, type 10D	Atp10d	360932	1,05	up
6212698	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,29	up
6266279	7125160	1189565	ATPase, class V, type 10D	Atp10d	360932	1,07	up
6320627	7125160	1189590	ATPase, class V, type 10D	Atp10d	360932	1,24	up
6349091	7125160	1189589	ATPase, class V, type 10D	Atp10d	360932	1,01	up
6356083	7125160	1189569	ATPase, class V, type 10D	Atp10d	360932	1,32	down
6359482	7125160	1189590	ATPase, class V, type 10D	Atp10d	360932	1,74	up
6362148	7125160	1189600	ATPase, class V, type 10D	Atp10d	360932	1,68	down
6385871	7125160	1189574	ATPase, class V, type 10D	Atp10d	360932	1,39	down
6399667	7125160	1189597	ATPase, class V, type 10D	Atp10d	360932	1,46	up
6406755	7125160	1189576	ATPase, class V, type 10D	Atp10d	360932	1,33	down
6437102	7125160	1189586	ATPase, class V, type 10D	Atp10d	360932	1,26	down
6456833	7125160	1189588	ATPase, class V, type 10D	Atp10d	360932	1,45	up
6465442	7125160	1189600	ATPase, class V, type 10D	Atp10d	360932	1,27	down
6528964	7125160	1189575	ATPase, class V, type 10D	Atp10d	360932	1,01	down
6599721	7125160	1189567	ATPase, class V, type 10D	Atp10d	360932	2,48	down
6655406	7125160	1189607	ATPase, class V, type 10D	Atp10d	360932	1,42	up
6675417	7125160	1189580	ATPase, class V, type 10D	Atp10d	360932	1,16	up
6675621	7125160	1189584	ATPase, class V, type 10D	Atp10d	360932	1,27	down
6712648	7125160	1189599	ATPase, class V, type 10D	Atp10d	360932	1,76	up
6184554	7193056	1358280	ATPase, class VI, type 11B	Atp11b	361929	1,22	down
6264174	7193056	1358279	ATPase, class VI, type 11B	Atp11b	361929	1,42	down
6299856	7193056	1358287	ATPase, class VI, type 11B	Atp11b	361929	1,14	down
6308707	7193056	1358278	ATPase, class VI, type 11B	Atp11b	361929	1,22	down
6359041	7193056	1358284	ATPase, class VI, type 11B	Atp11b	361929	1,31	down
6583720	7193056	1358280	ATPase, class VI, type 11B	Atp11b	361929	1,17	down
6743193	7193056	1358287	ATPase, class VI, type 11B	Atp11b	361929	2,02	down
5946554	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,17	up
5955119	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,11	down
6462012	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,03	down
6595229	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,72	down
6216433	7252053	1502533	ATPase, H transporting, lysosomal V1 subunit F	Atp6v1f	116664	1,12	down
6248759	7252053	1502531	ATPase, H transporting, lysosomal V1 subunit F	Atp6v1f	116664	2,33	down
6562561	7252053	1502532	ATPase, H transporting, lysosomal V1 subunit F	Atp6v1f	116664	1,25	up

5634909	7048865	1007255	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,12	up
5750826	7048865	1007273	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,84	down
5805381	7048865	1007274	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,16	down
5922708	7048865	1007260	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,12	down
5997412	7048865	1007262	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,54	up
6036626	7048865	1007266	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,01	down
6101860	7048865	1007259	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,21	up
6179442	7048865	1007256	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,31	up
6225254	7048865	1007271	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,63	down
6248700	7048865	1007261	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	2,69	down
6264749	7048865	1007265	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,45	down
6288843	7048865	1007267	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,23	up
6303774	7048865	1007254	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,40	down
6367840	7048865	1007272	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,34	up
6423733	7048865	1007276	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,07	up
6434947	7048865	1007270	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,17	down
6461542	7048865	1007269	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,02	down
6478587	7048865	1007258	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,31	down
6545786	7048865	1007257	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,48	down
6558932	7048865	1007275	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,28	up
6718629	7048865	1007268	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,23	up
6726326	7048865	1007263	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,50	down
6744178	7048865	1007264	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,19	down
6744362	7048865	1007253	ATPase, Na+/K+ transporting, alpha 3 polypeptide	Atp1a3	24213	1,79	up
5632434	7198644	1372281	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,10	down
5657461	7198644	1372341	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,08	up
5669931	7198644	1372288	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,66	down
5671319	7198644	1372291	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,17	up
5712441	7198644	1372316	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,06	down
5729199	7198644	1372292	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
5737873	7198644	1372335	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,04	up
5748162	7198644	1372303	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,04	down
5751753	7198644	1372301	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
5753268	7198644	1372355	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	2,05	up
5768085	7198644	1372322	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,12	up
5776198	7198644	1372276	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	down
5779588	7198644	1372324	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	up
5782000	7198644	1372351	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,45	down
5855338	7198644	1372353	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,21	down
5859160	7198644	1372349	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,42	down
5860285	7198644	1372272	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,09	down
5905592	7198644	1372347	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,48	down
5951290	7198644	1372323	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,05	up
5974708	7198644	1372333	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	up
5989743	7198644	1372310	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,05	up
6071166	7198644	1372343	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,19	down
6073546	7198644	1372280	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
6136714	7198644	1372267	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,12	down
6152975	7198644	1372308	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,25	down
6160972	7198644	1372273	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,20	down
6163883	7198644	1372354	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,17	up
6216590	7198644	1372338	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,04	down
6217005	7198644	1372282	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,01	down
6218911	7198644	1372345	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	1,31	down
6263941	7198644	1372323	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,10	up

6271057	7198644	1372293	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,07	down
6287987	7198644	1372290	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,13	up
6324190	7198644	1372325	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,46	up
6372142	7198644	1372308	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,14	down
6373981	7198644	1372317	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,28	down
6384288	7198644	1372348	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,48	up
6402049	7198644	1372350	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	2,01	up
6413107	7198644	1372327	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,10	up
6417025	7198644	1372336	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,35	up
6429495	7198644	1372319	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,13	up
6440259	7198644	1372330	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,20	up
6479159	7198644	1372344	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,12	up
6534786	7198644	1372315	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
6541989	7198644	1372321	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,56	up
6562339	7198644	1372309	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,16	down
6588965	7198644	1372327	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	2,24	down
6595051	7198644	1372356	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,27	up
6624451	7198644	1372320	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	down
6634044	7198644	1372311	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,23	down
6661924	7198644	1372323	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	down
6693967	7198644	1372337	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,56	up
6705822	7198644	1372302	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
6708439	7198644	1372294	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	down
5617712	7083965	1088230	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,29	down
5626810	7083965	1088243	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,05	up
5629262	7083965	1088241	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,07	up
5667752	7083965	1088234	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,62	down
5736728	7083965	1088254	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,31	down
5753443	7083965	1088213	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,12	down
5790347	7083965	1088213	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
5796408	7083965	1088248	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,35	down
5804504	7083965	1088253	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,13	up
5839011	7083965	1088231	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,12	up
5844751	7083965	1088226	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,04	up
5847207	7083965	1088238	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,40	down
5905006	7083965	1088237	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,12	up
5939153	7083965	1088224	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,06	up
6029000	7083965	1088240	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,06	down
6068315	7083965	1088246	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
6086364	7083965	1088217	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,28	up
6107558	7083965	1088227	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,03	up
6122837	7083965	1088245	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,04	up
6147149	7083965	1088239	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,44	down
6148980	7083965	1088232	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,05	down
6152870	7083965	1088251	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,19	down
6185075	7083965	1088245	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,43	down
6197745	7083965	1088235	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	down
6218551	7083965	1088216	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
6233734	7083965	1088218	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,77	up
6243622	7083965	1088242	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,02	up
6317916	7083965	1088228	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,31	down
6346267	7083965	1088223	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,08	up
6380000	7083965	1088225	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	2,11	down
6420806	7083965	1088229	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,01	down
6459578	7083965	1088215	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,11	down
6514559	7083965	1088219	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,02	down

6574989	7083965	1088214	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,05	up
6611186	7083965	1088250	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,48	down
6612645	7083965	1088221	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,67	down
6650927	7083965	1088225	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,29	down
6656268	7083965	1088247	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,16	up
6664912	7083965	1088222	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,03	up
6671489	7083965	1088219	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,08	down
6697639	7083965	1088227	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,07	down
5619823	7250393	1498326	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,34	down
5698086	7250393	1498339	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,01	up
5742066	7250393	1498338	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,49	up
5782776	7250393	1498331	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,74	down
5840139	7250393	1498329	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,45	down
5895570	7250393	1498336	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,41	up
5980846	7250393	1498334	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,29	down
6007333	7250393	1498314	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	3,96	down
6016868	7250393	1498324	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,42	up
6097230	7250393	1498328	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,05	down
6098828	7250393	1498317	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,16	up
6145358	7250393	1498337	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,46	up
6167416	7250393	1498339	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,62	down
6198334	7250393	1498321	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,59	down
6231297	7250393	1498320	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,16	up
6253952	7250393	1498313	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	3,26	down
6267936	7250393	1498323	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,10	up
6272544	7250393	1498335	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,07	up
6276903	7250393	1498330	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,95	up
6282355	7250393	1498325	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,20	up
6284395	7250393	1498339	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	3,39	down
6327593	7250393	1498332	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,59	down
6358410	7250393	1498333	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	3,84	up
6361510	7250393	1498327	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,17	down
6469306	7250393	1498322	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,45	down
6574248	7250393	1498340	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	5,12	down
6625428	7250393	1498319	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,62	down
6626563	7250393	1498316	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,34	down
6703837	7250393	1498318	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,28	up
6721437	7250393	1498334	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,08	down
6739095	7250393	1498315	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,02	up
5650532	7250403	1498363	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,76	up
5658451	7250403	1498356	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,16	down
5695568	7250403	1498359	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,03	up
5729475	7250403	1498374	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,25	down
5730001	7250403	1498376	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,95	down
5741873	7250403	1498367	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,43	down
5760636	7250403	1498375	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,48	up
5800715	7250403	1498372	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,64	up
5847446	7250403	1498364	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	3,00	down
5975570	7250403	1498365	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,30	down
6079384	7250403	1498362	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,49	up
6129825	7250403	1498381	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	2,32	down
6153883	7250403	1498361	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,93	down
6171255	7250403	1498359	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,50	up
6221184	7250403	1498379	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	5,42	down
6228271	7250403	1498378	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	3,87	down
6247446	7250403	1498368	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,06	up

6282170	7250403	1498371	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,15	up
6286851	7250403	1498360	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,79	up
6299354	7250403	1498357	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	2,96	down
6326477	7250403	1498377	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,27	down
6410145	7250403	1498370	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,55	up
6417916	7250403	1498358	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	4,07	down
6531383	7250403	1498355	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,83	up
6566984	7250403	1498380	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,08	down
6597141	7250403	1498357	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,90	up
6611732	7250403	1498373	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,27	up
6617983	7250403	1498369	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,05	down
6741153	7250403	1498366	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	2,18	up
5633359	7250417	1498424	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,38	up
5649552	7250417	1498405	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,20	down
5683292	7250417	1498415	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,38	down
5753312	7250417	1498410	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,05	up
5809317	7250417	1498408	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,26	up
5813985	7250417	1498414	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	6,42	up
5828129	7250417	1498421	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,22	down
5842791	7250417	1498407	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,61	up
5865732	7250417	1498428	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,37	up
5900790	7250417	1498422	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,60	up
5910306	7250417	1498425	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,46	down
5947346	7250417	1498411	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,38	down
6097121	7250417	1498412	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,22	up
6109372	7250417	1498406	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,36	up
6257094	7250417	1498417	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,09	up
6298172	7250417	1498423	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,14	up
6347525	7250417	1498427	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,23	down
6369272	7250417	1498419	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,05	down
6431894	7250417	1498430	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,32	down
6441881	7250417	1498426	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,35	down
6488481	7250417	1498418	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,16	down
6508924	7250417	1498420	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,08	down
6564372	7250417	1498406	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,24	down
6569813	7250417	1498416	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,14	up
6610466	7250417	1498404	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,41	down
6657348	7250417	1498409	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,99	down
6685683	7250417	1498413	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,05	down
6693277	7250417	1498429	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,04	up
5911374	7098148	1123068	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,20	down
5952332	7098148	1123060	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,05	down
5953932	7098148	1123067	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,24	down
5955059	7098148	1123060	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,01	up
5985681	7098148	1123064	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,33	up
6001448	7098148	1123061	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,04	up
6072121	7098148	1123069	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,11	up
6223018	7098148	1123062	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	2,10	down
6268232	7098148	1123072	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,09	up
6297275	7098148	1123063	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,20	up
6338555	7098148	1123065	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,00	up
6453750	7098148	1123071	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,90	up
6643380	7098148	1123059	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,87	up
6652007	7098148	1123070	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,20	up
6715827	7098148	1123066	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,35	down
6726362	7098148	1123070	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,00	up

5671248	7352044	1750018	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,18	down
5722772	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,44	up
5765729	7352044	1750013	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,21	down
5792624	7352044	1750010	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,30	down
5794836	7352044	1750015	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,99	down
5852980	7352044	1750011	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,47	down
5871188	7352044	1750012	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,15	up
5886459	7352044	1750021	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,24	down
6021223	7352044	1750007	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,10	up
6055249	7352044	1750009	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,10	up
6077685	7352044	1750005	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,41	down
6142945	7352044	1750017	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,26	down
6174018	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,10	up
6235295	7352044	1750014	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,07	down
6297926	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,16	down
6301144	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,64	down
6316011	7352044	1750016	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,10	up
6333449	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,00	down
6423201	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,49	down
6436650	7352044	1750008	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,15	down
6479011	7352044	1750020	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,43	up
6495949	7352044	1750023	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,62	down
6572422	7352044	1750019	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,46	up
6627084	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,08	up
6717766	7352044	1750011	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,15	up
5776984	7051110	1012070	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,12	down
5815792	7051110	1012055	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,08	up
5912364	7051110	1012066	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,12	down
5945898	7051110	1012056	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,36	up
5954666	7051110	1012048	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,12	down
5960620	7051110	1012045	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,13	down
5975429	7051110	1012050	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,12	down
6025615	7051110	1012043	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,04	up
6038932	7051110	1012061	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,67	down
6085227	7051110	1012054	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	2,27	down
6124989	7051110	1012073	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,03	up
6198597	7051110	1012064	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,24	down
6223908	7051110	1012052	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,02	down
6233580	7051110	1012055	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,32	up
6245049	7051110	1012067	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,07	up
6252608	7051110	1012065	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,18	down
6255939	7051110	1012047	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,19	up
6308992	7051110	1012074	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,42	up
6312171	7051110	1012042	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,06	down
6333500	7051110	1012046	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,26	up
6363659	7051110	1012057	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,18	down
6365186	7051110	1012058	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,06	up
6383999	7051110	1012048	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,06	up
6413857	7051110	1012051	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,01	up
6437805	7051110	1012054	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,54	down
6495856	7051110	1012049	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,24	up
6512715	7051110	1012053	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,53	down
6524833	7051110	1012062	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,00	down
6567955	7051110	1012072	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,14	up
6608285	7051110	1012069	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,00	up
6635007	7051110	1012063	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,01	down

6660207	7051110	1012071	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,11	up
6687601	7051110	1012059	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,03	down
6698591	7051110	1012047	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,09	up
6701036	7051110	1012060	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,25	up
6722366	7051110	1012044	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,24	down
6732470	7051110	1012068	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Abcc6	81642	1,31	down
5737055	7308714	1644376	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,35	down
5817138	7308714	1644374	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,14	down
6008598	7308714	1644368	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,38	up
6022702	7308714	1644366	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,12	down
6078520	7308714	1644378	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,96	up
6156115	7308714	1644370	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,06	down
6165919	7308714	1644377	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,79	down
6211267	7308714	1644373	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,22	up
6253872	7308714	1644372	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,22	up
6416309	7308714	1644375	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,04	up
6423343	7308714	1644373	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,20	down
6430158	7308714	1644369	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,02	down
6537478	7308714	1644379	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,29	up
6700664	7308714	1644367	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	1,18	down
6715603	7308714	1644371	ATP-binding cassette, sub-family D (ALD), member 4	Abcd4	299196	2,75	up
5718248	7122815	1184280	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,39	down
5761941	7122815	1184279	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,57	down
5785795	7122815	1184286	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,26	down
6027852	7122815	1184292	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	2,42	up
6040515	7122815	1184289	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	2,28	up
6105979	7122815	1184285	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,01	up
6108078	7122815	1184281	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	2,20	down
6136263	7122815	1184293	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,95	up
6256577	7122815	1184287	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,01	up
6328271	7122815	1184283	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,52	down
6356892	7122815	1184284	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,61	down
6405294	7122815	1184288	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,45	down
6447997	7122815	1184294	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,25	down
6604709	7122815	1184291	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,93	up
6617253	7122815	1184282	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,07	down
6741627	7122815	1184290	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg31l	289453	1,39	up
6014882	7122778	1184200	ATP-binding cassette, sub-family G (WHITE), member 3-like 2	Abcg312	360910	2,21	down
6057098	7122778	1184199	ATP-binding cassette, sub-family G (WHITE), member 3-like 2	Abcg312	360910	3,63	down
6479309	7122778	1184194	ATP-binding cassette, sub-family G (WHITE), member 3-like 2	Abcg312	360910	2,19	down
5867655	7122778	1184207	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			1,34	down
6072686	7122778	1184208	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			1,75	down
6182140	7122778	1184202	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			1,20	down
6237195	7122778	1184193	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			1,05	down
6240618	7122778	1184206	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			1,70	up
6408537	7122778	1184204	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			1,04	down
6474229	7122778	1184196	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			2,08	up
6547548	7122778	1184197	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			1,87	down
6709638	7122778	1184195	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATPbcg312 /// LOC36099 360910 /// 360997			2,11	down
5729540	7122778	1184205	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP12 /// LOC360997 ///310 /// 360997 /// 498			2,67	up
5791168	7122778	1184201	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP12 /// LOC360997 ///310 /// 360997 /// 498			2,49	up
6153643	7122778	1184193	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP12 /// LOC360997 ///310 /// 360997 /// 498			2,04	up
6203931	7122778	1184198	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP12 /// LOC360997 ///310 /// 360997 /// 498			1,95	down
6389927	7122778	1184205	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP12 /// LOC360997 ///310 /// 360997 /// 498			1,39	up
6695863	7122778	1184203	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP12 /// LOC360997 ///310 /// 360997 /// 498			1,79	up
5831398	7043535	994164	attractin like 1	Atrnl1	307992	1,08	down

5690368	7282319	1578598	aurora kinase A interacting protein 1	Aurkaip1	298687	1,04	up
5721526	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,12	down
5792952	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,04	down
6274831	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,22	up
6283840	7282319	1578599	aurora kinase A interacting protein 1	Aurkaip1	298687	1,82	down
6349743	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	2,63	up
6407711	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,12	down
6488945	7282319	1578596	aurora kinase A interacting protein 1	Aurkaip1	298687	1,28	down
6586961	7282319	1578596	aurora kinase A interacting protein 1	Aurkaip1	298687	1,04	down
5634867	7217583	1416977	autoimmune regulator	Aire	294328	2,59	up
5666349	7217583	1416972	autoimmune regulator	Aire	294328	1,86	up
5695505	7217583	1416966	autoimmune regulator	Aire	294328	1,59	down
5752534	7217583	1416978	autoimmune regulator	Aire	294328	1,31	up
5777583	7217583	1416971	autoimmune regulator	Aire	294328	1,16	down
5824709	7217583	1416970	autoimmune regulator	Aire	294328	1,01	up
5924520	7217583	1416965	autoimmune regulator	Aire	294328	1,36	down
5986607	7217583	1416978	autoimmune regulator	Aire	294328	1,10	down
5989711	7217583	1416969	autoimmune regulator	Aire	294328	1,09	up
6080662	7217583	1416974	autoimmune regulator	Aire	294328	1,18	down
6084848	7217583	1416975	autoimmune regulator	Aire	294328	1,10	down
6135662	7217583	1416968	autoimmune regulator	Aire	294328	1,40	down
6202918	7217583	1416976	autoimmune regulator	Aire	294328	1,09	down
6249274	7217583	1416967	autoimmune regulator	Aire	294328	1,29	up
6542415	7217583	1416973	autoimmune regulator	Aire	294328	1,40	up
6699145	7217583	1416977	autoimmune regulator	Aire	294328	1,01	down
6725583	7217583	1416974	autoimmune regulator	Aire	294328	1,04	up
5649454	7093158	1110521	B and T lymphocyte associated	Btla	407756	1,00	up
5968223	7093158	1110514	B and T lymphocyte associated	Btla	407756	1,16	down
5985424	7093158	1110515	B and T lymphocyte associated	Btla	407756	1,06	up
6023797	7093158	1110516	B and T lymphocyte associated	Btla	407756	1,10	up
6362918	7093158	1110519	B and T lymphocyte associated	Btla	407756	1,23	down
6470924	7093158	1110517	B and T lymphocyte associated	Btla	407756	1,44	down
6487672	7093158	1110520	B and T lymphocyte associated	Btla	407756	1,17	down
6580698	7093158	1110520	B and T lymphocyte associated	Btla	407756	1,01	down
6639927	7093158	1110522	B and T lymphocyte associated	Btla	407756	1,00	up
6645520	7093158	1110521	B and T lymphocyte associated	Btla	407756	2,42	down
5652224	7139085	1223657	B lymphoid tyrosine kinase	Blk	364403	1,00	down
5665023	7139085	1223658	B lymphoid tyrosine kinase	Blk	364403	1,50	down
5686412	7139085	1223662	B lymphoid tyrosine kinase	Blk	364403	1,27	down
5711698	7139085	1223654	B lymphoid tyrosine kinase	Blk	364403	1,05	up
5747501	7139085	1223658	B lymphoid tyrosine kinase	Blk	364403	1,05	up
5811480	7139085	1223661	B lymphoid tyrosine kinase	Blk	364403	1,63	down
5841414	7139085	1223656	B lymphoid tyrosine kinase	Blk	364403	1,10	down
5864923	7139085	1223653	B lymphoid tyrosine kinase	Blk	364403	1,15	down
5943793	7139085	1223664	B lymphoid tyrosine kinase	Blk	364403	1,05	down
6128582	7139085	1223655	B lymphoid tyrosine kinase	Blk	364403	1,12	up
6168815	7139085	1223653	B lymphoid tyrosine kinase	Blk	364403	1,13	down
6310143	7139085	1223660	B lymphoid tyrosine kinase	Blk	364403	1,03	up
6392315	7139085	1223659	B lymphoid tyrosine kinase	Blk	364403	1,05	down
6396097	7139085	1223663	B lymphoid tyrosine kinase	Blk	364403	2,26	down
6469351	7139085	1223674	B lymphoid tyrosine kinase	Blk	364403	1,44	up
5744629	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	1,39	down
5784401	7341989	1725048	baculoviral IAP repeat-containing 2	Birc2	60371	2,08	up
5786327	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,13	up
5825327	7341989	1725051	baculoviral IAP repeat-containing 2	Birc2	60371	1,41	up
5901021	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	1,01	down

5936281	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	1,26	down
6147360	7341989	1725045	baculoviral IAP repeat-containing 2	Birc2	60371	1,31	down
6220210	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,52	up
6289602	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	2,56	down
6294155	7341989	1725045	baculoviral IAP repeat-containing 2	Birc2	60371	1,00	up
6329510	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,26	down
6447598	7341989	1725045	baculoviral IAP repeat-containing 2	Birc2	60371	1,33	down
6473187	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,11	up
6531718	7341989	1725050	baculoviral IAP repeat-containing 2	Birc2	60371	1,09	up
6570921	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,13	down
6585015	7341989	1725047	baculoviral IAP repeat-containing 2	Birc2	60371	1,64	up
6668882	7341989	1725049	baculoviral IAP repeat-containing 2	Birc2	60371	6,20	up
6708661	7341989	1725048	baculoviral IAP repeat-containing 2	Birc2	60371	1,33	up
6713727	7341989	1725046	baculoviral IAP repeat-containing 2	Birc2	60371	1,35	up
5679629	7341999	1725071	baculoviral IAP repeat-containing 3	Birc3	78971	3,90	down
5787669	7341999	1725070	baculoviral IAP repeat-containing 3	Birc3	78971	2,25	down
5856477	7341999	1725062	baculoviral IAP repeat-containing 3	Birc3	78971	1,25	up
5903319	7341999	1725063	baculoviral IAP repeat-containing 3	Birc3	78971	2,31	down
6158470	7341999	1725066	baculoviral IAP repeat-containing 3	Birc3	78971	2,99	down
6232897	7341999	1725069	baculoviral IAP repeat-containing 3	Birc3	78971	2,14	up
6300405	7341999	1725064	baculoviral IAP repeat-containing 3	Birc3	78971	1,05	up
6361270	7341999	1725065	baculoviral IAP repeat-containing 3	Birc3	78971	1,25	up
6630065	7341999	1725068	baculoviral IAP repeat-containing 3	Birc3	78971	1,34	up
6686061	7341999	1725067	baculoviral IAP repeat-containing 3	Birc3	78971	1,15	up
5770650	7096589	1118504	BAlI-associated protein 2-like 1	Baiap211	304282	1,41	down
5848655	7096589	1118513	BAlI-associated protein 2-like 1	Baiap211	304282	1,07	down
5895948	7096589	1118514	BAlI-associated protein 2-like 1	Baiap211	304282	1,11	down
5987137	7096589	1118517	BAlI-associated protein 2-like 1	Baiap211	304282	1,09	up
6038878	7096589	1118520	BAlI-associated protein 2-like 1	Baiap211	304282	2,20	up
6039084	7096589	1118521	BAlI-associated protein 2-like 1	Baiap211	304282	1,19	up
6048217	7096589	1118524	BAlI-associated protein 2-like 1	Baiap211	304282	1,51	up
6189706	7096589	1118515	BAlI-associated protein 2-like 1	Baiap211	304282	1,95	up
6193479	7096589	1118507	BAlI-associated protein 2-like 1	Baiap211	304282	1,43	up
6227589	7096589	1118525	BAlI-associated protein 2-like 1	Baiap211	304282	1,09	down
6286105	7096589	1118528	BAlI-associated protein 2-like 1	Baiap211	304282	1,04	up
6347987	7096589	1118527	BAlI-associated protein 2-like 1	Baiap211	304282	1,13	down
6530182	7096589	1118506	BAlI-associated protein 2-like 1	Baiap211	304282	1,31	up
6540679	7096589	1118504	BAlI-associated protein 2-like 1	Baiap211	304282	1,37	down
6559888	7096589	1118523	BAlI-associated protein 2-like 1	Baiap211	304282	1,53	up
6601871	7096589	1118529	BAlI-associated protein 2-like 1	Baiap211	304282	1,08	up
5873882	7257144	1515591	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,04	up
6025454	7257144	1515593	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,51	up
6096327	7257144	1515589	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,55	down
6151848	7257144	1515592	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,41	up
6168974	7257144	1515590	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,15	down
6342762	7257144	1515589	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	2,97	down
6449214	7257144	1515593	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,30	up
6629309	7257144	1515594	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,49	up
6739864	7257144	1515594	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,22	down
6228697	7039265	983651	basic leucine zipper transcription factor, ATF-like 2	Batf2	309178	1,41	down
5641691	7350013	1745105	bassoon	Bsn	29138	2,15	up
5698722	7350013	1745104	bassoon	Bsn	29138	1,19	down
5705398	7350013	1745100	bassoon	Bsn	29138	1,24	down
5720952	7350013	1745104	bassoon	Bsn	29138	1,17	down
5828150	7350013	1745103	bassoon	Bsn	29138	1,17	up
5830951	7350013	1745103	bassoon	Bsn	29138	1,01	down

5836239	7350013	1745106	bassoon	Bsn	29138	1,43	down
5865825	7350013	1745102	bassoon	Bsn	29138	1,10	down
5892281	7350013	1745094	bassoon	Bsn	29138	1,21	down
5895719	7350013	1745105	bassoon	Bsn	29138	1,16	down
5908937	7350013	1745102	bassoon	Bsn	29138	1,01	up
5937362	7350013	1745103	bassoon	Bsn	29138	1,00	down
6012804	7350013	1745103	bassoon	Bsn	29138	1,22	up
6063791	7350013	1745102	bassoon	Bsn	29138	1,15	up
6089681	7350013	1745100	bassoon	Bsn	29138	1,49	down
6116675	7350013	1745103	bassoon	Bsn	29138	1,07	up
6126843	7350013	1745103	bassoon	Bsn	29138	1,13	up
6140172	7350013	1745103	bassoon	Bsn	29138	1,16	up
6210515	7350013	1745106	bassoon	Bsn	29138	1,78	up
6232096	7350013	1745102	bassoon	Bsn	29138	1,14	up
6245190	7350013	1745100	bassoon	Bsn	29138	1,01	up
6257855	7350013	1745101	bassoon	Bsn	29138	1,18	down
6331189	7350013	1745103	bassoon	Bsn	29138	1,02	down
6358295	7350013	1745097	bassoon	Bsn	29138	1,03	up
6369551	7350013	1745107	bassoon	Bsn	29138	1,43	up
6399327	7350013	1745103	bassoon	Bsn	29138	1,13	down
6406078	7350013	1745102	bassoon	Bsn	29138	1,28	up
6413810	7350013	1745103	bassoon	Bsn	29138	1,18	down
6454328	7350013	1745098	bassoon	Bsn	29138	1,28	down
6458926	7350013	1745099	bassoon	Bsn	29138	1,05	up
6460918	7350013	1745096	bassoon	Bsn	29138	1,01	down
6468579	7350013	1745106	bassoon	Bsn	29138	1,19	down
6479836	7350013	1745100	bassoon	Bsn	29138	1,01	down
6560669	7350013	1745102	bassoon	Bsn	29138	1,01	up
6667391	7350013	1745103	bassoon	Bsn	29138	1,31	down
6675324	7350013	1745100	bassoon	Bsn	29138	1,01	up
6693723	7350013	1745105	bassoon	Bsn	29138	1,18	up
6740853	7350013	1745105	bassoon	Bsn	29138	2,95	down
5641634	7048723	1006955	B-cell CLL/lymphoma 3	Bcl3	680611	2,43	up
5861046	7048723	1006951	B-cell CLL/lymphoma 3	Bcl3	680611	1,33	down
5877247	7048723	1006956	B-cell CLL/lymphoma 3	Bcl3	680611	1,65	down
5965197	7048723	1006948	B-cell CLL/lymphoma 3	Bcl3	680611	1,82	up
6034429	7048723	1006953	B-cell CLL/lymphoma 3	Bcl3	680611	1,18	down
6076844	7048723	1006952	B-cell CLL/lymphoma 3	Bcl3	680611	2,59	down
6081744	7048723	1006950	B-cell CLL/lymphoma 3	Bcl3	680611	1,59	up
6254187	7048723	1006949	B-cell CLL/lymphoma 3	Bcl3	680611	1,71	down
6429425	7048723	1006956	B-cell CLL/lymphoma 3	Bcl3	680611	8,26	down
6612212	7048723	1006954	B-cell CLL/lymphoma 3	Bcl3	680611	1,76	up
5766406	7089381	1102061	B-cell CLL/lymphoma 6	Bcl6	303836	1,73	up
5917864	7089381	1102068	B-cell CLL/lymphoma 6	Bcl6	303836	1,58	down
5969886	7089381	1102068	B-cell CLL/lymphoma 6	Bcl6	303836	1,17	down
6045539	7089381	1102062	B-cell CLL/lymphoma 6	Bcl6	303836	1,54	up
6101921	7089381	1102057	B-cell CLL/lymphoma 6	Bcl6	303836	1,66	down
6188794	7089381	1102063	B-cell CLL/lymphoma 6	Bcl6	303836	1,20	up
6195062	7089381	1102059	B-cell CLL/lymphoma 6	Bcl6	303836	1,34	up
6471339	7089381	1102066	B-cell CLL/lymphoma 6	Bcl6	303836	1,02	up
6529016	7089381	1102063	B-cell CLL/lymphoma 6	Bcl6	303836	1,83	up
6539940	7089381	1102060	B-cell CLL/lymphoma 6	Bcl6	303836	1,31	up
6576071	7089381	1102065	B-cell CLL/lymphoma 6	Bcl6	303836	1,12	down
6655429	7089381	1102068	B-cell CLL/lymphoma 6	Bcl6	303836	1,67	down
6745765	7089381	1102068	B-cell CLL/lymphoma 6	Bcl6	303836	1,75	down
5673802	7062529	1037852	B-cell linker	Blnk	499356	1,37	up

5789007	7062529	1037861	B-cell linker	Blnk	499356	1,26	up
5814820	7062529	1037877	B-cell linker	Blnk	499356	1,58	up
5866512	7062529	1037855	B-cell linker	Blnk	499356	1,07	up
5868280	7062529	1037856	B-cell linker	Blnk	499356	1,16	up
5888776	7062529	1037870	B-cell linker	Blnk	499356	1,02	up
5927608	7062529	1037859	B-cell linker	Blnk	499356	1,22	down
6006276	7062529	1037876	B-cell linker	Blnk	499356	1,07	down
6008406	7062529	1037873	B-cell linker	Blnk	499356	3,06	up
6125166	7062529	1037869	B-cell linker	Blnk	499356	1,42	up
6199150	7062529	1037854	B-cell linker	Blnk	499356	1,03	up
6336151	7062529	1037853	B-cell linker	Blnk	499356	1,16	up
6574083	7062529	1037850	B-cell linker	Blnk	499356	1,31	up
6645006	7062529	1037868	B-cell linker	Blnk	499356	1,47	up
6707089	7062529	1037875	B-cell linker	Blnk	499356	1,10	up
6724373	7062529	1037850	B-cell linker	Blnk	499356	1,15	down
5774276	7221055	1425394	BCL2-antagonist/killer 1	Bak1	116502	2,27	down
5815221	7221055	1425391	BCL2-antagonist/killer 1	Bak1	116502	1,15	up
5881396	7221055	1425395	BCL2-antagonist/killer 1	Bak1	116502	1,77	down
5891981	7221055	1425390	BCL2-antagonist/killer 1	Bak1	116502	1,24	up
6194540	7221055	1425390	BCL2-antagonist/killer 1	Bak1	116502	1,23	down
6199140	7221055	1425390	BCL2-antagonist/killer 1	Bak1	116502	1,40	up
6213226	7221055	1425394	BCL2-antagonist/killer 1	Bak1	116502	2,42	down
6262184	7221055	1425392	BCL2-antagonist/killer 1	Bak1	116502	1,05	down
6307232	7221055	1425391	BCL2-antagonist/killer 1	Bak1	116502	1,05	up
6402587	7221055	1425393	BCL2-antagonist/killer 1	Bak1	116502	1,64	down
5757574	7356077	1760061	BCS1-like (yeast)	Bcs1l	301514	1,10	up
5771028	7356077	1760061	BCS1-like (yeast)	Bcs1l	301514	1,40	up
6023262	7356077	1760066	BCS1-like (yeast)	Bcs1l	301514	1,08	up
6048565	7356077	1760064	BCS1-like (yeast)	Bcs1l	301514	1,06	up
6322722	7356077	1760067	BCS1-like (yeast)	Bcs1l	301514	1,25	up
6429811	7356077	1760065	BCS1-like (yeast)	Bcs1l	301514	2,20	down
6538418	7356077	1760063	BCS1-like (yeast)	Bcs1l	301514	1,30	up
6560913	7356077	1760062	BCS1-like (yeast)	Bcs1l	301514	2,14	down
6684823	7356077	1760068	BCS1-like (yeast)	Bcs1l	301514	1,17	down
6742950	7356077	1760061	BCS1-like (yeast)	Bcs1l	301514	1,02	down
5687345	7082845	1085814	beclin 1, autophagy related	Becn1	114558	1,17	up
5705604	7082845	1085813	beclin 1, autophagy related	Becn1	114558	1,11	down
5742337	7082845	1085804	beclin 1, autophagy related	Becn1	114558	1,10	up
5773575	7082845	1085812	beclin 1, autophagy related	Becn1	114558	1,43	down
5800062	7082845	1085809	beclin 1, autophagy related	Becn1	114558	1,15	up
5832164	7082845	1085805	beclin 1, autophagy related	Becn1	114558	1,07	down
5841950	7082845	1085811	beclin 1, autophagy related	Becn1	114558	1,23	up
6090849	7082845	1085814	beclin 1, autophagy related	Becn1	114558	1,16	down
6158880	7082845	1085807	beclin 1, autophagy related	Becn1	114558	1,05	up
6254940	7082845	1085808	beclin 1, autophagy related	Becn1	114558	1,54	down
6552582	7082845	1085806	beclin 1, autophagy related	Becn1	114558	1,17	down
6580335	7082845	1085810	beclin 1, autophagy related	Becn1	114558	1,08	up
6619510	7082845	1085809	beclin 1, autophagy related	Becn1	114558	1,12	up
6702984	7082845	1085803	beclin 1, autophagy related	Becn1	114558	2,33	up
5626575	7070869	1058489	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,08	down
5627395	7070869	1058498	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,07	down
5640104	7070869	1058496	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,07	down
5684840	7070869	1058489	benzodiazapine receptor associated protein 1	Bzrap1	287609	2,41	down
5704883	7070869	1058499	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,13	up
5754964	7070869	1058478	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,02	down
5763484	7070869	1058474	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,59	down

5780184	7070869	1058491	benzodiazapine receptor associated protein 1	Bzap1	287609	1,05	up
5789564	7070869	1058480	benzodiazapine receptor associated protein 1	Bzap1	287609	1,20	down
5820327	7070869	1058472	benzodiazapine receptor associated protein 1	Bzap1	287609	1,02	down
5827261	7070869	1058482	benzodiazapine receptor associated protein 1	Bzap1	287609	1,32	down
5899060	7070869	1058495	benzodiazapine receptor associated protein 1	Bzap1	287609	1,01	up
5922070	7070869	1058488	benzodiazapine receptor associated protein 1	Bzap1	287609	1,14	up
5922451	7070869	1058481	benzodiazapine receptor associated protein 1	Bzap1	287609	1,23	down
5929812	7070869	1058493	benzodiazapine receptor associated protein 1	Bzap1	287609	1,71	down
5962074	7070869	1058484	benzodiazapine receptor associated protein 1	Bzap1	287609	1,12	down
6005727	7070869	1058490	benzodiazapine receptor associated protein 1	Bzap1	287609	1,24	down
6009592	7070869	1058479	benzodiazapine receptor associated protein 1	Bzap1	287609	1,76	up
6027533	7070869	1058473	benzodiazapine receptor associated protein 1	Bzap1	287609	1,17	up
6034938	7070869	1058492	benzodiazapine receptor associated protein 1	Bzap1	287609	1,26	down
6081799	7070869	1058495	benzodiazapine receptor associated protein 1	Bzap1	287609	1,19	down
6119117	7070869	1058502	benzodiazapine receptor associated protein 1	Bzap1	287609	1,05	down
6232646	7070869	1058476	benzodiazapine receptor associated protein 1	Bzap1	287609	1,31	down
6279229	7070869	1058487	benzodiazapine receptor associated protein 1	Bzap1	287609	1,32	down
6285270	7070869	1058497	benzodiazapine receptor associated protein 1	Bzap1	287609	1,09	up
6292670	7070869	1058489	benzodiazapine receptor associated protein 1	Bzap1	287609	2,00	up
6304830	7070869	1058489	benzodiazapine receptor associated protein 1	Bzap1	287609	1,14	up
6310859	7070869	1058494	benzodiazapine receptor associated protein 1	Bzap1	287609	1,13	up
6320000	7070869	1058484	benzodiazapine receptor associated protein 1	Bzap1	287609	1,66	up
6362265	7070869	1058470	benzodiazapine receptor associated protein 1	Bzap1	287609	1,10	up
6371044	7070869	1058485	benzodiazapine receptor associated protein 1	Bzap1	287609	1,60	up
6402640	7070869	1058475	benzodiazapine receptor associated protein 1	Bzap1	287609	2,91	up
6416499	7070869	1058474	benzodiazapine receptor associated protein 1	Bzap1	287609	1,10	up
6433193	7070869	1058471	benzodiazapine receptor associated protein 1	Bzap1	287609	1,03	up
6481950	7070869	1058482	benzodiazapine receptor associated protein 1	Bzap1	287609	1,20	up
6488072	7070869	1058501	benzodiazapine receptor associated protein 1	Bzap1	287609	1,11	up
6528589	7070869	1058491	benzodiazapine receptor associated protein 1	Bzap1	287609	2,14	up
6568261	7070869	1058502	benzodiazapine receptor associated protein 1	Bzap1	287609	1,16	up
6606592	7070869	1058481	benzodiazapine receptor associated protein 1	Bzap1	287609	1,07	down
6611256	7070869	1058491	benzodiazapine receptor associated protein 1	Bzap1	287609	1,54	up
6618242	7070869	1058486	benzodiazapine receptor associated protein 1	Bzap1	287609	1,01	up
6640851	7070869	1058477	benzodiazapine receptor associated protein 1	Bzap1	287609	1,15	up
6650806	7070869	1058491	benzodiazapine receptor associated protein 1	Bzap1	287609	1,07	up
6695811	7070869	1058502	benzodiazapine receptor associated protein 1	Bzap1	287609	1,49	up
6698355	7070869	1058491	benzodiazapine receptor associated protein 1	Bzap1	287609	1,17	up
6716118	7070869	1058491	benzodiazapine receptor associated protein 1	Bzap1	287609	1,19	down
5958215	7315206	1660010	bestrophin 3	Best3	314847	1,62	up
6144221	7315206	1660034	bestrophin 3	Best3	314847	1,55	up
5716476	7335700	1708717	beta-site APP cleaving enzyme 1	Bace1	29392	1,15	down
5757380	7335700	1708719	beta-site APP cleaving enzyme 1	Bace1	29392	1,15	up
5864172	7335700	1708720	beta-site APP cleaving enzyme 1	Bace1	29392	1,25	up
6006335	7335700	1708723	beta-site APP cleaving enzyme 1	Bace1	29392	1,05	down
6030772	7335700	1708722	beta-site APP cleaving enzyme 1	Bace1	29392	1,14	up
6183129	7335700	1708718	beta-site APP cleaving enzyme 1	Bace1	29392	1,35	down
6219484	7335700	1708717	beta-site APP cleaving enzyme 1	Bace1	29392	1,01	down
6325359	7335700	1708724	beta-site APP cleaving enzyme 1	Bace1	29392	1,01	down
6690501	7335700	1708721	beta-site APP cleaving enzyme 1	Bace1	29392	1,10	down
6742441	7335700	1708725	beta-site APP cleaving enzyme 1	Bace1	29392	1,01	down
5994249	7029985	960593	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,13	down
6010870	7029985	960591	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,62	up
6205377	7029985	960587	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,14	down
6305467	7029985	960595	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,06	down
6348597	7029985	960596	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,21	up

6469418	7029985	960594	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,06	down
6501712	7029985	960587	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	2,59	down
6190414	7143272	1234232	biotinidase	Btd	306262	1,04	down
6349016	7143272	1234234	biotinidase	Btd	306262	1,01	up
6359537	7143272	1234233	biotinidase	Btd	306262	1,73	down
6531742	7143272	1234231	biotinidase	Btd	306262	1,05	down
5648570	7123421	1185825	BMP-2 inducible kinase	Bmp2k	498333	1,11	down
5669317	7123421	1185828	BMP-2 inducible kinase	Bmp2k	498333	1,16	down
5852853	7123421	1185830	BMP-2 inducible kinase	Bmp2k	498333	1,01	down
6041602	7123421	1185812	BMP-2 inducible kinase	Bmp2k	498333	1,08	up
6046971	7123421	1185834	BMP-2 inducible kinase	Bmp2k	498333	1,22	up
6086567	7123421	1185839	BMP-2 inducible kinase	Bmp2k	498333	1,27	up
6116793	7123421	1185840	BMP-2 inducible kinase	Bmp2k	498333	1,10	up
6356223	7123421	1185825	BMP-2 inducible kinase	Bmp2k	498333	2,23	down
6361680	7123421	1185831	BMP-2 inducible kinase	Bmp2k	498333	1,21	down
6391620	7123421	1185831	BMP-2 inducible kinase	Bmp2k	498333	1,25	up
6480892	7123421	1185825	BMP-2 inducible kinase	Bmp2k	498333	1,24	down
6526284	7123421	1185821	BMP-2 inducible kinase	Bmp2k	498333	1,35	down
6536991	7123421	1185833	BMP-2 inducible kinase	Bmp2k	498333	1,00	up
6631080	7123421	1185821	BMP-2 inducible kinase	Bmp2k	498333	1,07	down
6746852	7123421	1185836	BMP-2 inducible kinase	Bmp2k	498333	1,24	up
5704805	7087805	1097501	bobby sox homolog (Drosophila)	Bbx	303970	1,05	down
5755850	7087805	1097500	bobby sox homolog (Drosophila)	Bbx	303970	1,04	up
5800373	7087805	1097469	bobby sox homolog (Drosophila)	Bbx	303970	1,32	down
5931738	7087805	1097484	bobby sox homolog (Drosophila)	Bbx	303970	1,04	up
5984582	7087805	1097490	bobby sox homolog (Drosophila)	Bbx	303970	1,02	up
5991481	7087805	1097492	bobby sox homolog (Drosophila)	Bbx	303970	1,05	up
5999814	7087805	1097500	bobby sox homolog (Drosophila)	Bbx	303970	1,30	up
6116530	7087805	1097491	bobby sox homolog (Drosophila)	Bbx	303970	1,01	up
6155466	7087805	1097488	bobby sox homolog (Drosophila)	Bbx	303970	1,04	down
6157568	7087805	1097482	bobby sox homolog (Drosophila)	Bbx	303970	1,06	down
6503774	7087805	1097502	bobby sox homolog (Drosophila)	Bbx	303970	1,24	up
6506440	7087805	1097495	bobby sox homolog (Drosophila)	Bbx	303970	1,00	down
6571664	7087805	1097477	bobby sox homolog (Drosophila)	Bbx	303970	1,44	up
6688404	7087805	1097478	bobby sox homolog (Drosophila)	Bbx	303970	1,09	down
6693879	7087805	1097484	bobby sox homolog (Drosophila)	Bbx	303970	1,15	up
6699939	7087805	1097493	bobby sox homolog (Drosophila)	Bbx	303970	2,03	up
6709994	7087805	1097492	bobby sox homolog (Drosophila)	Bbx	303970	1,06	down
6739111	7087805	1097499	bobby sox homolog (Drosophila)	Bbx	303970	1,22	down
5828180	7210637	1400603	bone gamma-carboxyglutamate (gla) protein	Bglap	25295	1,31	up
5876615	7210637	1400606	bone gamma-carboxyglutamate (gla) protein	Bglap	25295	1,03	up
5894046	7210637	1400602	bone gamma-carboxyglutamate (gla) protein	Bglap	25295	1,09	up
5968250	7210637	1400606	bone gamma-carboxyglutamate (gla) protein	Bglap	25295	1,15	up
6095204	7210637	1400604	bone gamma-carboxyglutamate (gla) protein	Bglap	25295	1,26	down
6735087	7210637	1400605	bone gamma-carboxyglutamate (gla) protein	Bglap	25295	2,04	down
5713732	7249102	1495258	brain derived neurotrophic factor	Bdnf	24225	1,05	down
5977234	7249102	1495257	brain derived neurotrophic factor	Bdnf	24225	2,09	down
6172103	7249102	1495256	brain derived neurotrophic factor	Bdnf	24225	2,23	down
6199817	7249102	1495259	brain derived neurotrophic factor	Bdnf	24225	1,04	up
6465105	7249102	1495258	brain derived neurotrophic factor	Bdnf	24225	1,05	up
6530638	7249102	1495257	brain derived neurotrophic factor	Bdnf	24225	1,16	up
6565868	7249102	1495259	brain derived neurotrophic factor	Bdnf	24225	1,23	up
6622801	7249102	1495259	brain derived neurotrophic factor	Bdnf	24225	1,17	up
6640186	7249102	1495255	brain derived neurotrophic factor	Bdnf	24225	1,18	down
5643796	7046645	1002597	brain protein 44-like	Brp441	171087	1,14	down
6000181	7046645	1002594	brain protein 44-like	Brp441	171087	2,16	up

6175554	7046645	1002595	brain protein 44-like	Brp441	171087	1,01	down
6179701	7046645	1002596	brain protein 44-like	Brp441	171087	1,10	down
6272184	7046645	1002594	brain protein 44-like	Brp441	171087	1,15	up
6637130	7046645	1002597	brain protein 44-like	Brp441	171087	2,37	up
5636403	7279881	1572723	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,19	up
5648745	7279881	1572741	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,16	down
5662188	7279881	1572737	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,08	down
5793187	7279881	1572731	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,44	down
5829650	7279881	1572734	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,29	up
5895152	7279881	1572716	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,21	down
5938534	7279881	1572722	brain-specific angiogenesis inhibitor 2	Bai2	313058	3,11	down
5963378	7279881	1572746	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,02	up
5976103	7279881	1572724	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,50	down
6009735	7279881	1572716	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,03	up
6056548	7279881	1572743	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,09	up
6066592	7279881	1572730	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,04	down
6115306	7279881	1572747	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,13	up
6238558	7279881	1572736	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,35	down
6365374	7279881	1572738	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,56	down
6370572	7279881	1572738	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,03	down
6385731	7279881	1572733	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,33	down
6427637	7279881	1572745	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,28	up
6432046	7279881	1572736	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,04	up
6463420	7279881	1572729	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,28	down
6486360	7279881	1572732	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,53	down
6552665	7279881	1572719	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,02	up
6557309	7279881	1572729	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,37	down
6582005	7279881	1572726	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,17	up
6585941	7279881	1572746	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,20	down
6619332	7279881	1572742	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,51	up
6627103	7279881	1572716	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,19	down
6627269	7279881	1572740	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,36	up
6656478	7279881	1572721	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,18	up
6658118	7279881	1572728	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,10	down
6674694	7279881	1572736	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,00	down
6686149	7279881	1572727	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,08	up
6700090	7279881	1572744	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,28	down
6709056	7279881	1572720	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,07	up
6739885	7279881	1572725	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,02	down
5846101	7271115	1550297	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,03	up
5850843	7271115	1550299	branched chain aminotransferase 1, cytosolic	Bcat1	29592	2,03	down
5885046	7271115	1550296	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,22	up
5951501	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,12	down
6001757	7271115	1550292	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,11	up
6093308	7271115	1550295	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,20	up
6145812	7271115	1550293	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,11	up
6264997	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,09	up
6274057	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,16	down
6307065	7271115	1550298	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,61	down
6321141	7271115	1550294	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,15	down
6416046	7271115	1550297	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,03	up
6558376	7271115	1550291	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,07	down
6629637	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,17	down
6742745	7271115	1550290	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,25	up
5628013	7099740	1127037	breast cancer 2	Brca2	360254	1,66	up
5631527	7099740	1127028	breast cancer 2	Brca2	360254	1,48	up

5650709	7099740	1127042	breast cancer 2	Brca2	360254	1,03	down
5686870	7099740	1127044	breast cancer 2	Brca2	360254	1,11	down
5697050	7099740	1127025	breast cancer 2	Brca2	360254	1,04	down
5743292	7099740	1127036	breast cancer 2	Brca2	360254	1,14	up
5831936	7099740	1127032	breast cancer 2	Brca2	360254	1,26	down
5911312	7099740	1127043	breast cancer 2	Brca2	360254	1,92	up
5911745	7099740	1127038	breast cancer 2	Brca2	360254	1,08	up
5918881	7099740	1127048	breast cancer 2	Brca2	360254	1,04	down
5936251	7099740	1127030	breast cancer 2	Brca2	360254	1,35	up
5946216	7099740	1127034	breast cancer 2	Brca2	360254	1,30	up
5951591	7099740	1127040	breast cancer 2	Brca2	360254	1,76	down
5972281	7099740	1127043	breast cancer 2	Brca2	360254	1,16	down
5977931	7099740	1127042	breast cancer 2	Brca2	360254	1,16	down
5995559	7099740	1127041	breast cancer 2	Brca2	360254	1,09	down
6087008	7099740	1127047	breast cancer 2	Brca2	360254	1,02	up
6103446	7099740	1127049	breast cancer 2	Brca2	360254	1,20	up
6114511	7099740	1127051	breast cancer 2	Brca2	360254	1,04	down
6124937	7099740	1127044	breast cancer 2	Brca2	360254	1,34	down
6133824	7099740	1127042	breast cancer 2	Brca2	360254	1,10	down
6135414	7099740	1127036	breast cancer 2	Brca2	360254	1,02	down
6181501	7099740	1127048	breast cancer 2	Brca2	360254	2,24	up
6212655	7099740	1127027	breast cancer 2	Brca2	360254	1,35	down
6312776	7099740	1127045	breast cancer 2	Brca2	360254	1,21	down
6322876	7099740	1127046	breast cancer 2	Brca2	360254	1,15	down
6332852	7099740	1127026	breast cancer 2	Brca2	360254	1,08	down
6351044	7099740	1127050	breast cancer 2	Brca2	360254	1,04	up
6385865	7099740	1127033	breast cancer 2	Brca2	360254	1,01	up
6412867	7099740	1127026	breast cancer 2	Brca2	360254	1,31	up
6432522	7099740	1127039	breast cancer 2	Brca2	360254	1,18	up
6482709	7099740	1127031	breast cancer 2	Brca2	360254	1,01	down
6567034	7099740	1127029	breast cancer 2	Brca2	360254	1,20	down
6633330	7099740	1127035	breast cancer 2	Brca2	360254	1,34	down
6636258	7099740	1127042	breast cancer 2	Brca2	360254	1,26	up
6673276	7099740	1127043	breast cancer 2	Brca2	360254	1,98	up
6707100	7099740	1127030	breast cancer 2	Brca2	360254	1,07	up
6730235	7099740	1127042	breast cancer 2	Brca2	360254	1,01	up
5676698	7331844	1700212	bridging integrator 2	Bin2	366988	1,05	up
5718784	7331844	1700216	bridging integrator 2	Bin2	366988	1,02	down
5876324	7331844	1700211	bridging integrator 2	Bin2	366988	1,28	up
5912289	7331844	1700208	bridging integrator 2	Bin2	366988	1,23	up
5975021	7331844	1700209	bridging integrator 2	Bin2	366988	1,07	down
6000838	7331844	1700209	bridging integrator 2	Bin2	366988	1,19	up
6090506	7331844	1700215	bridging integrator 2	Bin2	366988	1,13	down
6135897	7331844	1700209	bridging integrator 2	Bin2	366988	1,02	down
6170746	7331844	1700208	bridging integrator 2	Bin2	366988	1,12	up
6207035	7331844	1700208	bridging integrator 2	Bin2	366988	1,02	down
6251865	7331844	1700210	bridging integrator 2	Bin2	366988	1,14	down
6296338	7331844	1700209	bridging integrator 2	Bin2	366988	1,10	up
6396114	7331844	1700218	bridging integrator 2	Bin2	366988	1,15	down
6487543	7331844	1700214	bridging integrator 2	Bin2	366988	1,01	down
6550124	7331844	1700217	bridging integrator 2	Bin2	366988	1,03	up
6557978	7331844	1700208	bridging integrator 2	Bin2	366988	2,01	down
6651164	7331844	1700213	bridging integrator 2	Bin2	366988	1,15	up
5648007	7257361	1516088	bromodomain and PHD finger containing, 1	Brpf1	679713	1,20	up
5658110	7257361	1516095	bromodomain and PHD finger containing, 1	Brpf1	679713	1,18	down
5672771	7257361	1516091	bromodomain and PHD finger containing, 1	Brpf1	679713	1,24	down

5724841	7257361	1516100	bromodomain and PHD finger containing, 1	Brpf1	679713	1,28	down
5773810	7257361	1516088	bromodomain and PHD finger containing, 1	Brpf1	679713	1,27	up
5827341	7257361	1516097	bromodomain and PHD finger containing, 1	Brpf1	679713	2,05	down
5860867	7257361	1516086	bromodomain and PHD finger containing, 1	Brpf1	679713	1,19	up
5865725	7257361	1516098	bromodomain and PHD finger containing, 1	Brpf1	679713	1,23	down
5868252	7257361	1516096	bromodomain and PHD finger containing, 1	Brpf1	679713	1,02	down
5880242	7257361	1516086	bromodomain and PHD finger containing, 1	Brpf1	679713	1,10	down
5898051	7257361	1516095	bromodomain and PHD finger containing, 1	Brpf1	679713	1,12	up
5917979	7257361	1516098	bromodomain and PHD finger containing, 1	Brpf1	679713	1,08	down
5980912	7257361	1516099	bromodomain and PHD finger containing, 1	Brpf1	679713	1,02	up
6040680	7257361	1516090	bromodomain and PHD finger containing, 1	Brpf1	679713	1,06	up
6121375	7257361	1516093	bromodomain and PHD finger containing, 1	Brpf1	679713	1,60	down
6123698	7257361	1516100	bromodomain and PHD finger containing, 1	Brpf1	679713	1,28	down
6148461	7257361	1516088	bromodomain and PHD finger containing, 1	Brpf1	679713	1,20	down
6165003	7257361	1516089	bromodomain and PHD finger containing, 1	Brpf1	679713	1,14	up
6225334	7257361	1516092	bromodomain and PHD finger containing, 1	Brpf1	679713	1,00	down
6335954	7257361	1516085	bromodomain and PHD finger containing, 1	Brpf1	679713	1,05	down
6348445	7257361	1516097	bromodomain and PHD finger containing, 1	Brpf1	679713	1,14	down
6449477	7257361	1516097	bromodomain and PHD finger containing, 1	Brpf1	679713	1,47	up
6501448	7257361	1516094	bromodomain and PHD finger containing, 1	Brpf1	679713	1,15	up
6546664	7257361	1516087	bromodomain and PHD finger containing, 1	Brpf1	679713	1,06	up
6584166	7257361	1516101	bromodomain and PHD finger containing, 1	Brpf1	679713	1,35	up
6606101	7257361	1516098	bromodomain and PHD finger containing, 1	Brpf1	679713	1,08	down
6742223	7257361	1516090	bromodomain and PHD finger containing, 1	Brpf1	679713	1,17	down
5659061	7173863	1309675	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,82	up
5665401	7173863	1309737	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,06	up
5675666	7173863	1309712	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,12	up
5764751	7173863	1309657	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,42	up
5804912	7173863	1309671	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,14	up
5848768	7173863	1309664	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,37	up
6089116	7173863	1309667	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,45	down
6092111	7173863	1309669	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,19	down
6094745	7173863	1309657	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,08	up
6182482	7173863	1309677	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,29	down
6187269	7173863	1309672	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,16	up
6223980	7173863	1309657	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,31	down
6390131	7173863	1309737	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,19	up
6419025	7173863	1309667	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,22	down
6658793	7173863	1309677	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,28	up
6668421	7173863	1309662	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,60	up
6694051	7173863	1309661	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,03	down
6704068	7173863	1309674	bruno-like 4, RNA binding protein (Drosophila)	Brunol4	307540	1,32	up
5756488	7312250	1652654	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,31	down
5898600	7312250	1652647	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,05	up
5920059	7312250	1652654	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,19	down
5953566	7312250	1652652	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,27	down
5960988	7312250	1652653	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,03	up
5974749	7312250	1652643	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,36	down
6030109	7312250	1652651	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,60	up
6054101	7312250	1652651	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,18	down
6159141	7312250	1652655	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,16	down
6202020	7312250	1652644	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,03	down
6292017	7312250	1652645	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,62	up
6293111	7312250	1652649	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	4,21	down
6341287	7312250	1652650	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,23	up
6397179	7312250	1652640	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,15	up

6490835	7312250	1652648	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,20	up
6624171	7312250	1652641	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,27	down
6657968	7312250	1652646	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,44	up
5635202	7336835	1711585	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,06	up
5667269	7336835	1711598	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,76	up
5765677	7336835	1711604	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,13	up
5801088	7336835	1711594	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,14	down
5812309	7336835	1711597	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,05	up
5860271	7336835	1711598	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,36	down
5871756	7336835	1711601	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,09	up
5908448	7336835	1711591	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,10	down
6064120	7336835	1711604	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,21	up
6077088	7336835	1711600	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,10	up
6276869	7336835	1711602	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,04	down
6347966	7336835	1711603	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,23	up
6518939	7336835	1711602	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,27	up
6555716	7336835	1711596	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,06	up
6589871	7336835	1711587	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,05	up
6664636	7336835	1711595	bruno-like 6, RNA binding protein (Drosophila)	Brunol6	300758	1,98	down
5688846	7323083	1678798	BTB (POZ) domain containing 11	Btbd11	314675	1,06	up
5872782	7323083	1678792	BTB (POZ) domain containing 11	Btbd11	314675	1,04	up
5949912	7323083	1678826	BTB (POZ) domain containing 11	Btbd11	314675	1,16	down
5962236	7323083	1678792	BTB (POZ) domain containing 11	Btbd11	314675	1,27	down
6115190	7323083	1678802	BTB (POZ) domain containing 11	Btbd11	314675	1,23	up
6129616	7323083	1678827	BTB (POZ) domain containing 11	Btbd11	314675	1,32	up
6169777	7323083	1678792	BTB (POZ) domain containing 11	Btbd11	314675	1,80	up
6322234	7323083	1678806	BTB (POZ) domain containing 11	Btbd11	314675	2,08	down
6337641	7323083	1678792	BTB (POZ) domain containing 11	Btbd11	314675	1,23	up
6384666	7323083	1678794	BTB (POZ) domain containing 11	Btbd11	314675	1,27	down
6390284	7323083	1678795	BTB (POZ) domain containing 11	Btbd11	314675	1,25	down
6409830	7323083	1678793	BTB (POZ) domain containing 11	Btbd11	314675	1,12	up
6425863	7323083	1678801	BTB (POZ) domain containing 11	Btbd11	314675	1,19	up
6429128	7323083	1678792	BTB (POZ) domain containing 11	Btbd11	314675	1,22	down
6480285	7323083	1678816	BTB (POZ) domain containing 11	Btbd11	314675	1,06	down
6548796	7323083	1678808	BTB (POZ) domain containing 11	Btbd11	314675	1,82	down
6626701	7323083	1678804	BTB (POZ) domain containing 11	Btbd11	314675	1,05	down
6630832	7323083	1678797	BTB (POZ) domain containing 11	Btbd11	314675	1,70	down
6668055	7323083	1678805	BTB (POZ) domain containing 11	Btbd11	314675	1,02	down
6732206	7323083	1678809	BTB (POZ) domain containing 11	Btbd11	314675	1,09	down
6739702	7323083	1678796	BTB (POZ) domain containing 11	Btbd11	314675	1,08	up
6001158	7065265	1044575	BTB (POZ) domain containing 12	Btbd12	302953	1,03	down
5648037	7086522	1093940	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,66	up
5673865	7086522	1093950	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,49	up
5720052	7086522	1093950	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,01	up
5828620	7086522	1093934	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,84	down
6085597	7086522	1093950	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,63	up
6087978	7086522	1093942	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,36	up
6103678	7086522	1093933	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,05	down
6374432	7086522	1093940	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,34	up
6677173	7086522	1093943	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,52	up
5791956	7372840	1803754	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,64	up
6077644	7372840	1803757	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,18	down
6187408	7372840	1803755	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,20	up
6703400	7372840	1803758	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,30	down
5763355	7181510	1329133	cadherin 13	Cdh13	192248	1,08	down
5780267	7181510	1329125	cadherin 13	Cdh13	192248	1,21	down

5925613	7181510	1329122	cadherin 13	Cdh13	192248	1,05	up
6009746	7181510	1329126	cadherin 13	Cdh13	192248	1,41	up
6022156	7181510	1329127	cadherin 13	Cdh13	192248	2,36	up
6278957	7181510	1329121	cadherin 13	Cdh13	192248	1,00	up
6327289	7181510	1329123	cadherin 13	Cdh13	192248	1,22	down
6485549	7181510	1329130	cadherin 13	Cdh13	192248	1,76	down
6502840	7181510	1329129	cadherin 13	Cdh13	192248	1,11	down
6581008	7181510	1329132	cadherin 13	Cdh13	192248	1,01	down
6609680	7181510	1329133	cadherin 13	Cdh13	192248	1,01	down
6643153	7181510	1329124	cadherin 13	Cdh13	192248	1,21	up
6655217	7181510	1329131	cadherin 13	Cdh13	192248	1,04	down
6680082	7181510	1329128	cadherin 13	Cdh13	192248	1,02	down
6732189	7181510	1329134	cadherin 13	Cdh13	192248	1,26	up
5683177	7247856	1492115	cadherin 22	Cdh22	29182	1,06	up
5697495	7247856	1492120	cadherin 22	Cdh22	29182	1,35	up
5731276	7247856	1492111	cadherin 22	Cdh22	29182	1,25	down
5745023	7247856	1492114	cadherin 22	Cdh22	29182	1,03	up
5987810	7247856	1492118	cadherin 22	Cdh22	29182	1,42	up
6017674	7247856	1492112	cadherin 22	Cdh22	29182	1,41	up
6071805	7247856	1492110	cadherin 22	Cdh22	29182	1,40	down
6090208	7247856	1492113	cadherin 22	Cdh22	29182	1,05	down
6109011	7247856	1492117	cadherin 22	Cdh22	29182	1,19	up
6245482	7247856	1492109	cadherin 22	Cdh22	29182	2,02	down
6320215	7247856	1492111	cadherin 22	Cdh22	29182	1,28	up
6474507	7247856	1492119	cadherin 22	Cdh22	29182	1,32	up
6520564	7247856	1492119	cadherin 22	Cdh22	29182	1,05	down
6628394	7247856	1492116	cadherin 22	Cdh22	29182	1,09	up
6631773	7247856	1492120	cadherin 22	Cdh22	29182	1,44	down
6016426	7180732	1326737	cadherin 3, type 1, P-cadherin (placental)	Cdh3	116777	1,10	up
6407055	7180732	1326736	cadherin 3, type 1, P-cadherin (placental)	Cdh3	116777	1,22	up
5711643	7178411	1321047	cadherin 8	Cdh8	84408	1,06	up
5725240	7178411	1321041	cadherin 8	Cdh8	84408	1,45	down
5911342	7178411	1321042	cadherin 8	Cdh8	84408	1,19	up
5912954	7178411	1321053	cadherin 8	Cdh8	84408	1,05	up
6002926	7178411	1321051	cadherin 8	Cdh8	84408	1,29	up
6103662	7178411	1321045	cadherin 8	Cdh8	84408	1,15	up
6106227	7178411	1321044	cadherin 8	Cdh8	84408	1,09	down
6151661	7178411	1321042	cadherin 8	Cdh8	84408	2,04	down
6224240	7178411	1321049	cadherin 8	Cdh8	84408	1,94	up
6275178	7178411	1321048	cadherin 8	Cdh8	84408	1,05	down
6407050	7178411	1321042	cadherin 8	Cdh8	84408	1,15	down
6511339	7178411	1321043	cadherin 8	Cdh8	84408	1,12	up
6614198	7178411	1321046	cadherin 8	Cdh8	84408	1,09	up
6617347	7178411	1321050	cadherin 8	Cdh8	84408	1,44	down
6667097	7178411	1321052	cadherin 8	Cdh8	84408	1,08	up
6743041	7178411	1321052	cadherin 8	Cdh8	84408	1,19	up
5651932	7212718	1404944	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	2,05	down
5655635	7212718	1404961	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,03	down
5667437	7212718	1404958	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,12	down
5675858	7212718	1404938	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,92	down
5732789	7212718	1404946	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,42	down
5769502	7212718	1404963	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,63	up
5780132	7212718	1404952	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,55	up
5822282	7212718	1404953	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,35	down
5846134	7212718	1404960	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,58	down
5887592	7212718	1404940	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,22	up

5932325	7212718	1404945	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,03	down
5933205	7212718	1404944	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,16	down
5942845	7212718	1404939	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,02	up
5989678	7212718	1404962	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,24	up
6005958	7212718	1404950	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,23	up
6046069	7212718	1404957	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,19	down
6086903	7212718	1404943	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,24	down
6112143	7212718	1404940	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,36	down
6136164	7212718	1404959	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,03	up
6153084	7212718	1404948	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,14	up
6154054	7212718	1404964	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,07	up
6177121	7212718	1404937	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	2,07	down
6214493	7212718	1404955	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,05	down
6245419	7212718	1404944	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,48	down
6305177	7212718	1404947	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,25	down
6351155	7212718	1404942	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,03	up
6367502	7212718	1404941	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,02	up
6428183	7212718	1404966	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,19	up
6430644	7212718	1404942	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,04	up
6481446	7212718	1404941	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,28	down
6505764	7212718	1404937	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,45	up
6522079	7212718	1404956	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,13	up
6539810	7212718	1404954	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,18	down
6621181	7212718	1404938	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,33	up
6636445	7212718	1404951	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,03	up
6686984	7212718	1404949	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,82	up
5715161	7138047	1221235	cadherin-like 24	Cdh24	498515	1,03	up
5866371	7138047	1221244	cadherin-like 24	Cdh24	498515	1,16	down
5866592	7138047	1221242	cadherin-like 24	Cdh24	498515	1,76	down
6004507	7138047	1221246	cadherin-like 24	Cdh24	498515	1,03	up
6024922	7138047	1221238	cadherin-like 24	Cdh24	498515	1,15	up
6041092	7138047	1221234	cadherin-like 24	Cdh24	498515	1,31	down
6090191	7138047	1221244	cadherin-like 24	Cdh24	498515	2,68	up
6205143	7138047	1221238	cadherin-like 24	Cdh24	498515	1,35	up
6334966	7138047	1221239	cadherin-like 24	Cdh24	498515	1,15	up
6409682	7138047	1221244	cadherin-like 24	Cdh24	498515	1,32	down
6450181	7138047	1221243	cadherin-like 24	Cdh24	498515	1,04	up
6454174	7138047	1221233	cadherin-like 24	Cdh24	498515	1,07	up
6607237	7138047	1221241	cadherin-like 24	Cdh24	498515	1,00	down
6667532	7138047	1221236	cadherin-like 24	Cdh24	498515	1,04	up
6700367	7138047	1221240	cadherin-like 24	Cdh24	498515	1,07	up
6062707	7056254	1023335	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,92	up
6080546	7056254	1023333	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,13	down
6188235	7056254	1023336	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,57	down
6360216	7056254	1023337	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,04	down
6384359	7056254	1023334	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	3,31	up
6590191	7056254	1023332	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,15	up
6415619	7038969	982981	calcium binding protein 2	Cabp2	499298	1,04	up
5648191	7148574	1247418	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,15	up
5651285	7148574	1247446	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,00	up
5683966	7148574	1247421	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,21	up
5691639	7148574	1247416	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,37	up
5706697	7148574	1247423	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,07	up
5734667	7148574	1247436	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,42	down
5774312	7148574	1247444	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,52	up
5784374	7148574	1247427	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,14	up

5784465	7148574	1247420	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,03	down
5805191	7148574	1247448	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,30	up
5822162	7148574	1247428	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,08	down
5823166	7148574	1247419	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,05	down
5835237	7148574	1247417	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,11	down
5876318	7148574	1247433	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,31	down
5894376	7148574	1247442	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,01	up
5910174	7148574	1247437	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,19	down
5958293	7148574	1247429	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,01	up
5959428	7148574	1247426	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,05	up
5960682	7148574	1247441	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,24	down
6018780	7148574	1247425	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,01	down
6035815	7148574	1247414	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	2,23	down
6212478	7148574	1247443	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,26	up
6231268	7148574	1247438	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,13	down
6247257	7148574	1247434	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,35	down
6260265	7148574	1247439	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,15	down
6261650	7148574	1247431	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,00	up
6280816	7148574	1247424	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,19	up
6282015	7148574	1247415	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,20	up
6309353	7148574	1247435	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,02	up
6309649	7148574	1247445	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,29	up
6316773	7148574	1247440	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,78	down
6467479	7148574	1247432	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,03	up
6546769	7148574	1247422	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,02	up
6569407	7148574	1247413	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,22	up
6599451	7148574	1247412	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,07	up
6645587	7148574	1247430	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,35	down
6678661	7148574	1247422	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,28	up
6695856	7148574	1247447	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,59	down
5858966	7047552	1004716	calcium channel, voltage-dependent, gamma subunit 8	Cacng8	140729	1,18	up
5898178	7047552	1004715	calcium channel, voltage-dependent, gamma subunit 8	Cacng8	140729	2,34	up
5970097	7047552	1004715	calcium channel, voltage-dependent, gamma subunit 8	Cacng8	140729	1,21	up
6161797	7047552	1004715	calcium channel, voltage-dependent, gamma subunit 8	Cacng8	140729	1,24	down
6303251	7047552	1004718	calcium channel, voltage-dependent, gamma subunit 8	Cacng8	140729	1,08	down
6343830	7047552	1004717	calcium channel, voltage-dependent, gamma subunit 8	Cacng8	140729	1,37	down
5728144	7380003	1820742	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	down
5777320	7380003	1820758	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,26	down
5789499	7380003	1820776	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,20	up
5813291	7380003	1820769	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,15	up
5827297	7380003	1820737	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	up
5841677	7380003	1820747	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,57	up
5842245	7380003	1820752	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,45	down
5893141	7380003	1820756	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,10	down
5931832	7380003	1820739	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,78	down
5944788	7380003	1820774	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,02	up
5950331	7380003	1820738	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,12	up
5960961	7380003	1820778	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	up
5987441	7380003	1820746	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,35	down
5996961	7380003	1820771	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	up
6022359	7380003	1820781	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,07	up
6024745	7380003	1820745	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,36	up
6041594	7380003	1820777	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,31	down
6055327	7380003	1820755	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	up
6062409	7380003	1820773	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,11	up
6086588	7380003	1820744	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,11	up

6101527	7380003	1820775	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,09	down
6105284	7380003	1820751	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	up
6114449	7380003	1820760	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,22	down
6118625	7380003	1820780	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	down
6138638	7380003	1820741	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,16	up
6150268	7380003	1820762	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,15	down
6154883	7380003	1820779	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,07	down
6162390	7380003	1820772	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,13	down
6168234	7380003	1820743	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,06	up
6192559	7380003	1820763	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,04	down
6268220	7380003	1820773	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,40	down
6275665	7380003	1820770	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,29	up
6293524	7380003	1820740	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,11	down
6322975	7380003	1820750	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	down
6337583	7380003	1820761	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,04	up
6341399	7380003	1820764	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,04	up
6366063	7380003	1820754	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,91	down
6399493	7380003	1820768	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,55	down
6414074	7380003	1820782	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,14	up
6442621	7380003	1820757	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,01	up
6492076	7380003	1820767	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,06	up
6596883	7380003	1820749	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,14	down
6597683	7380003	1820782	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,40	down
6607810	7380003	1820768	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,32	up
6607904	7380003	1820753	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,23	down
6623079	7380003	1820748	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,03	down
6649698	7380003	1820766	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,22	up
6689640	7380003	1820783	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	2,61	down
6694382	7380003	1820764	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,91	down
6721179	7380003	1820765	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,72	down
6730225	7380003	1820759	calcium channel, voltage-dependent, L type, alpha 1F subunit	Cacna1f	114493	1,12	down
5628855	7236652	1464888	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,63	down
5652403	7236652	1464904	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,14	down
5653883	7236652	1464876	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,51	down
5681197	7236652	1464922	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	1,11	down
5690407	7236652	1464903	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,17	down
5693289	7236652	1464910	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,17	down
5693682	7236652	1464896	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,03	down
5699327	7236652	1464890	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,16	down
5705366	7236652	1464900	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,03	up
5709783	7236652	1464915	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,14	up
5719705	7236652	1464921	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,09	down
5784178	7236652	1464883	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	down
5803586	7236652	1464878	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	up
5805807	7236652	1464911	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,36	down
5845214	7236652	1464894	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,33	down
5856789	7236652	1464886	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	2,08	up
5895445	7236652	1464877	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,60	down
5919376	7236652	1464905	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,59	up
5953563	7236652	1464923	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,31	up
5971321	7236652	1464923	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,74	up
5978791	7236652	1464909	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,02	down
5998194	7236652	1464887	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,00	down
6047224	7236652	1464899	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,06	up
6071161	7236652	1464902	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,37	up

6073667	7236652	1464906	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,21	up
6098253	7236652	1464893	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,06	up
6146157	7236652	1464904	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,26	up
6195943	7236652	1464903	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,17	down
6230828	7236652	1464901	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,20	down
6326611	7236652	1464917	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,02	up
6330424	7236652	1464912	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,02	up
6337671	7236652	1464907	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,17	down
6370147	7236652	1464885	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,19	down
6378756	7236652	1464881	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,11	up
6393218	7236652	1464884	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,20	up
6442572	7236652	1464914	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,25	up
6452785	7236652	1464916	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,38	down
6476900	7236652	1464880	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,18	down
6498245	7236652	1464898	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,21	down
6504476	7236652	1464911	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,19	down
6515344	7236652	1464913	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,07	down
6547963	7236652	1464882	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,27	down
6552597	7236652	1464920	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,02	up
6554600	7236652	1464879	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,75	down
6567583	7236652	1464877	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,22	up
6624579	7236652	1464895	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,41	up
6634697	7236652	1464897	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,09	up
6648581	7236652	1464908	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,13	down
6680539	7236652	1464919	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,28	down
6680638	7236652	1464918	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	down
6700864	7236652	1464892	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,15	down
6716140	7236652	1464891	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,23	up
6723785	7236652	1464923	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,14	up
6724135	7236652	1464889	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,26	down
5633770	7112511	1158406	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	down
5676921	7112511	1158412	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,08	up
5692190	7112511	1158413	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,15	up
5695032	7112511	1158411	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,00	up
5713387	7112511	1158435	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	2,19	down
5716514	7112511	1158410	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,11	down
5721757	7112511	1158407	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,29	up
5725888	7112511	1158439	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,02	up
5729335	7112511	1158431	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,01	up
5755346	7112511	1158427	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,33	up
5772533	7112511	1158424	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	down
5778662	7112511	1158419	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,05	up
5798180	7112511	1158415	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,09	down
5810409	7112511	1158426	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	up
5821321	7112511	1158420	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,05	down
5829382	7112511	1158436	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,03	up
5850104	7112511	1158437	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,03	down
5856211	7112511	1158452	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,36	up
5895641	7112511	1158450	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,10	down
5896059	7112511	1158409	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,12	up
5917892	7112511	1158443	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,03	up
5955517	7112511	1158434	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	up
5959197	7112511	1158425	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,00	up
6004300	7112511	1158441	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,10	down
6066123	7112511	1158453	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,42	up
6086084	7112511	1158429	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,14	up

6089712	7112511	1158440	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,07	down
6114853	7112511	1158418	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,17	up
6119436	7112511	1158438	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,10	down
6279645	7112511	1158453	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,45	down
6313331	7112511	1158428	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,10	down
6366760	7112511	1158422	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,18	down
6389602	7112511	1158417	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	down
6415673	7112511	1158442	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,25	down
6426268	7112511	1158430	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,01	down
6429414	7112511	1158447	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,04	down
6461408	7112511	1158448	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,55	up
6489307	7112511	1158446	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,03	up
6556446	7112511	1158451	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,29	up
6557893	7112511	1158432	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,12	down
6559778	7112511	1158417	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,09	up
6570584	7112511	1158444	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,02	down
6588677	7112511	1158438	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,15	down
6591441	7112511	1158406	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,01	down
6591824	7112511	1158408	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,24	down
6599024	7112511	1158436	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,03	up
6612369	7112511	1158433	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,25	up
6621295	7112511	1158421	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,27	down
6623490	7112511	1158405	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,21	down
6640204	7112511	1158449	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,78	up
6641235	7112511	1158414	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,05	down
6680787	7112511	1158416	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,02	up
6687487	7112511	1158423	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,40	down
6730199	7112511	1158445	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,27	up
5622534	7318953	1669656	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,19	up
5703299	7318953	1669652	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,06	up
5710221	7318953	1669648	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,19	down
5720921	7318953	1669674	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,07	up
5803649	7318953	1669661	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,12	up
5818555	7318953	1669664	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,22	down
5848083	7318953	1669656	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,18	up
5856253	7318953	1669672	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,07	down
5919008	7318953	1669677	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,77	down
5922922	7318953	1669666	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,09	up
6007627	7318953	1669654	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,18	down
6041233	7318953	1669667	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,06	down
6062153	7318953	1669647	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,26	down
6130254	7318953	1669662	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,12	up
6139100	7318953	1669683	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,13	down
6158623	7318953	1669671	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,09	up
6181945	7318953	1669649	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,21	up
6183105	7318953	1669684	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,13	up
6190440	7318953	1669682	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,76	down
6194094	7318953	1669656	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,03	up
6247531	7318953	1669671	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,04	down
6262078	7318953	1669663	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,02	down
6291155	7318953	1669680	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,12	down
6326501	7318953	1669680	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,38	up
6330354	7318953	1669678	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,05	up
6344004	7318953	1669673	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,27	down
6353966	7318953	1669675	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,22	up
6356841	7318953	1669676	calcium channel, voltage-dependent, T type, alpha 1I subunit	Cacna1i	56827	1,27	down

6410284	7318953	1669648	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,07	up
6434048	7318953	1669684	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,02	down
6448484	7318953	1669669	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,45	down
6454128	7318953	1669668	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,09	down
6465914	7318953	1669657	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,17	down
6481373	7318953	1669681	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,18	up
6506382	7318953	1669651	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,13	down
6535043	7318953	1669659	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,06	up
6578515	7318953	1669681	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	2,10	down
6588406	7318953	1669658	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,20	down
6592183	7318953	1669670	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,44	down
6602262	7318953	1669655	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,16	down
6630240	7318953	1669663	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,07	up
6638987	7318953	1669653	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,11	up
6668650	7318953	1669679	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,70	down
6694776	7318953	1669650	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,06	down
6732492	7318953	1669660	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,01	down
6733816	7318953	1669665	calcium channel, voltage-dependent, T type, alpha II subunit	Cacna1i	56827	1,11	down
5665206	7143904	1235803	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,03	up
5770924	7143904	1235809	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,02	up
5783653	7143904	1235807	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,03	down
5813038	7143904	1235808	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,08	down
5842134	7143904	1235814	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,21	down
5950084	7143904	1235804	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,02	up
5993066	7143904	1235807	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,19	up
6064370	7143904	1235799	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,08	down
6098662	7143904	1235811	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,02	down
6122444	7143904	1235817	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,15	down
6151877	7143904	1235802	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,30	down
6208686	7143904	1235799	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,33	down
6214906	7143904	1235812	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,45	up
6216196	7143904	1235815	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,01	down
6242341	7143904	1235805	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,02	down
6244719	7143904	1235802	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,14	up
6246776	7143904	1235814	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,03	up
6322899	7143904	1235817	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,04	up
6417348	7143904	1235816	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,24	down
6454535	7143904	1235806	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,11	down
6521621	7143904	1235808	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,34	up
6527514	7143904	1235800	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,15	up
6529835	7143904	1235817	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,05	down
6692635	7143904	1235810	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,11	down
6736722	7143904	1235813	calcium homeostasis endoplasmic reticulum protein	Cherp	290614	1,06	up
5620731	7127912	1196135	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,03	down
5630143	7127912	1196153	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,24	up
5747699	7127912	1196153	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,40	up
5773543	7127912	1196149	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,15	up
5795525	7127912	1196134	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,01	up
5841917	7127912	1196152	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,10	up
5864804	7127912	1196140	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	2,38	down
5962609	7127912	1196151	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,07	up
6023400	7127912	1196145	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,05	up
6040050	7127912	1196147	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,08	up
6177571	7127912	1196148	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,11	up
6395493	7127912	1196142	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,01	up
6420719	7127912	1196139	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,18	down

6426144	7127912	1196146	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,33	down
6541511	7127912	1196138	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,78	up
6549149	7127912	1196136	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,69	down
6579956	7127912	1196150	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,14	up
6664462	7127912	1196141	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,14	up
6676331	7127912	1196144	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,18	down
6682796	7127912	1196137	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,28	down
6725030	7127912	1196143	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Camk2b	24245	1,02	up
5683038	7198855	1373036	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,08	down
5702967	7198855	1373046	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,45	down
5732333	7198855	1373043	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,04	down
5905080	7198855	1373047	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,30	up
5925055	7198855	1373035	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,26	down
5941144	7198855	1373038	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,28	down
6025236	7198855	1373041	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,05	up
6154328	7198855	1373033	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,30	up
6179297	7198855	1373029	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,19	up
6255868	7198855	1373027	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,05	up
6258133	7198855	1373037	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,63	up
6387058	7198855	1373031	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,16	up
6425557	7198855	1373028	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,30	up
6511160	7198855	1373044	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,17	up
6524925	7198855	1373030	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,12	down
6565067	7198855	1373034	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	2,60	up
6607960	7198855	1373032	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,49	up
6627296	7198855	1373045	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,05	up
6656017	7198855	1373040	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	2,28	down
6660098	7198855	1373042	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,23	down
6709314	7198855	1373039	calcium/calmodulin-dependent protein kinase II delta	Camk2d	24246	1,01	up
5700808	7030224	961116	calpain 12	Capn12	308476	1,49	down
5811704	7030224	961120	calpain 12	Capn12	308476	1,01	down
5936246	7030224	961130	calpain 12	Capn12	308476	1,36	down
5982794	7030224	961132	calpain 12	Capn12	308476	1,12	up
6131773	7030224	961126	calpain 12	Capn12	308476	1,40	up
6149612	7030224	961127	calpain 12	Capn12	308476	1,03	up
6170994	7030224	961122	calpain 12	Capn12	308476	1,16	down
6182845	7030224	961118	calpain 12	Capn12	308476	1,01	up
6185175	7030224	961137	calpain 12	Capn12	308476	1,17	down
6276141	7030224	961137	calpain 12	Capn12	308476	1,68	up
6308275	7030224	961129	calpain 12	Capn12	308476	1,16	down
6389467	7030224	961125	calpain 12	Capn12	308476	2,02	up
6399271	7030224	961124	calpain 12	Capn12	308476	1,46	down
6409438	7030224	961124	calpain 12	Capn12	308476	1,11	up
6433409	7030224	961121	calpain 12	Capn12	308476	1,39	up
6448624	7030224	961128	calpain 12	Capn12	308476	1,00	up
6483623	7030224	961131	calpain 12	Capn12	308476	1,04	down
6590890	7030224	961117	calpain 12	Capn12	308476	1,03	up
6624414	7030224	961135	calpain 12	Capn12	308476	1,15	up
6696508	7030224	961136	calpain 12	Capn12	308476	2,09	up
6713490	7030224	961119	calpain 12	Capn12	308476	1,43	up
6715518	7030224	961123	calpain 12	Capn12	308476	1,08	up
5658167	7295379	1609560	calpain 13	Capn13	362701	1,04	up
5699713	7295379	1609573	calpain 13	Capn13	362701	1,15	down
5705522	7295379	1609568	calpain 13	Capn13	362701	1,05	down
5779171	7295379	1609563	calpain 13	Capn13	362701	1,04	down
5807893	7295379	1609572	calpain 13	Capn13	362701	1,07	up

5812658	7295379	1609571	calpain 13	Capn13	362701	1,03	up
5817349	7295379	1609577	calpain 13	Capn13	362701	1,49	down
5871610	7295379	1609580	calpain 13	Capn13	362701	1,01	up
5927740	7295379	1609567	calpain 13	Capn13	362701	1,01	down
6001911	7295379	1609560	calpain 13	Capn13	362701	1,09	down
6013816	7295379	1609579	calpain 13	Capn13	362701	1,17	down
6028893	7295379	1609566	calpain 13	Capn13	362701	1,02	up
6028995	7295379	1609579	calpain 13	Capn13	362701	1,03	down
6060340	7295379	1609565	calpain 13	Capn13	362701	1,16	down
6152748	7295379	1609576	calpain 13	Capn13	362701	1,05	up
6157053	7295379	1609581	calpain 13	Capn13	362701	1,08	down
6313634	7295379	1609570	calpain 13	Capn13	362701	1,01	up
6424985	7295379	1609575	calpain 13	Capn13	362701	1,12	up
6429602	7295379	1609578	calpain 13	Capn13	362701	1,13	up
6451426	7295379	1609569	calpain 13	Capn13	362701	1,01	up
6454622	7295379	1609574	calpain 13	Capn13	362701	1,41	up
6482751	7295379	1609565	calpain 13	Capn13	362701	1,20	up
6512839	7295379	1609564	calpain 13	Capn13	362701	2,18	down
6576468	7295379	1609562	calpain 13	Capn13	362701	1,02	down
6657293	7295379	1609561	calpain 13	Capn13	362701	1,17	down
5690841	7143240	1234172	calpain 7	Capn7	306260	1,05	down
5697132	7143240	1234157	calpain 7	Capn7	306260	1,51	down
5713942	7143240	1234178	calpain 7	Capn7	306260	1,47	down
5730134	7143240	1234171	calpain 7	Capn7	306260	1,04	down
5741037	7143240	1234177	calpain 7	Capn7	306260	1,09	down
5765199	7143240	1234162	calpain 7	Capn7	306260	1,24	down
5767578	7143240	1234160	calpain 7	Capn7	306260	1,06	up
5776238	7143240	1234178	calpain 7	Capn7	306260	1,07	down
5826761	7143240	1234165	calpain 7	Capn7	306260	1,04	down
5882947	7143240	1234162	calpain 7	Capn7	306260	1,03	up
5915328	7143240	1234166	calpain 7	Capn7	306260	1,02	down
6003766	7143240	1234178	calpain 7	Capn7	306260	1,08	up
6003919	7143240	1234169	calpain 7	Capn7	306260	1,41	up
6085200	7143240	1234155	calpain 7	Capn7	306260	1,63	up
6211844	7143240	1234157	calpain 7	Capn7	306260	1,54	up
6378018	7143240	1234166	calpain 7	Capn7	306260	1,06	down
6430098	7143240	1234175	calpain 7	Capn7	306260	1,06	up
6430354	7143240	1234172	calpain 7	Capn7	306260	1,17	down
6472006	7143240	1234158	calpain 7	Capn7	306260	1,08	up
6472301	7143240	1234178	calpain 7	Capn7	306260	1,14	down
6502459	7143240	1234168	calpain 7	Capn7	306260	1,17	down
6550486	7143240	1234176	calpain 7	Capn7	306260	1,00	up
6551745	7143240	1234167	calpain 7	Capn7	306260	1,22	down
6639294	7143240	1234164	calpain 7	Capn7	306260	1,05	up
6669932	7143240	1234163	calpain 7	Capn7	306260	1,20	up
6711693	7143240	1234174	calpain 7	Capn7	306260	1,04	down
6728032	7143240	1234170	calpain 7	Capn7	306260	1,04	up
6733232	7143240	1234178	calpain 7	Capn7	306260	1,26	down
6746481	7143240	1234173	calpain 7	Capn7	306260	1,03	up
6255479	7183182	1333559	calpain, small subunit 2	Capns2	679870	1,14	up
6473997	7183182	1333559	calpain, small subunit 2	Capns2	679870	1,43	down
6604926	7183182	1333559	calpain, small subunit 2	Capns2	679870	1,93	up
5718614	7198565	1372050	calponin 3, acidic	Cnn3	54321	1,26	down
5842828	7198565	1372053	calponin 3, acidic	Cnn3	54321	1,01	down
5867231	7198565	1372054	calponin 3, acidic	Cnn3	54321	1,02	down
6052999	7198565	1372052	calponin 3, acidic	Cnn3	54321	1,40	up

6058087	7198565	1372058	calponin 3, acidic	Cnn3	54321	2,11	down
6157024	7198565	1372051	calponin 3, acidic	Cnn3	54321	1,50	up
6287890	7198565	1372056	calponin 3, acidic	Cnn3	54321	1,12	down
6330611	7198565	1372055	calponin 3, acidic	Cnn3	54321	1,00	down
6382150	7198565	1372057	calponin 3, acidic	Cnn3	54321	1,09	down
5659807	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,23	up
5736059	7241772	1477813	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,05	down
5746565	7241772	1477817	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,17	down
5835602	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,10	up
5857070	7241772	1477810	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,18	up
5977146	7241772	1477815	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,03	up
5987317	7241772	1477812	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,10	up
6023393	7241772	1477811	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,14	down
6037948	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,13	down
6086526	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,73	up
6190396	7241772	1477818	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	3,00	down
6195086	7241772	1477818	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,34	up
6196457	7241772	1477811	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,02	down
6367335	7241772	1477814	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,08	up
6397480	7241772	1477819	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,16	up
6457349	7241772	1477816	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,07	up
6512211	7241772	1477815	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,14	down
6560900	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,18	up
6583990	7241772	1477808	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,01	up
6651923	7241772	1477809	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,18	down
5646701	7158671	1271968	cAMP responsive element modulator	Crem	25620	1,06	up
5835847	7158671	1271973	cAMP responsive element modulator	Crem	25620	1,67	up
5839777	7158671	1271970	cAMP responsive element modulator	Crem	25620	1,10	up
5845564	7158671	1271969	cAMP responsive element modulator	Crem	25620	1,06	up
5993934	7158671	1271972	cAMP responsive element modulator	Crem	25620	1,20	down
6059094	7158671	1271977	cAMP responsive element modulator	Crem	25620	1,21	down
6207883	7158671	1271973	cAMP responsive element modulator	Crem	25620	1,73	up
6239081	7158671	1271979	cAMP responsive element modulator	Crem	25620	1,38	down
6346919	7158671	1271976	cAMP responsive element modulator	Crem	25620	1,03	down
6410390	7158671	1271975	cAMP responsive element modulator	Crem	25620	1,77	down
6484983	7158671	1271975	cAMP responsive element modulator	Crem	25620	2,20	down
6636921	7158671	1271971	cAMP responsive element modulator	Crem	25620	1,15	up
6639301	7158671	1271974	cAMP responsive element modulator	Crem	25620	1,24	down
6655252	7158671	1271969	cAMP responsive element modulator	Crem	25620	1,02	up
6708039	7158671	1271978	cAMP responsive element modulator	Crem	25620	1,38	down
5624241	7271128	1550313	cancer susceptibility candidate 1	Casc1	297720	1,12	down
5677382	7271128	1550318	cancer susceptibility candidate 1	Casc1	297720	1,12	up
5839971	7271128	1550329	cancer susceptibility candidate 1	Casc1	297720	1,01	down
5922818	7271128	1550325	cancer susceptibility candidate 1	Casc1	297720	1,58	up
5932631	7271128	1550321	cancer susceptibility candidate 1	Casc1	297720	1,20	up
5956955	7271128	1550312	cancer susceptibility candidate 1	Casc1	297720	1,70	down
5983286	7271128	1550326	cancer susceptibility candidate 1	Casc1	297720	2,58	up
5985040	7271128	1550323	cancer susceptibility candidate 1	Casc1	297720	1,51	up
6117505	7271128	1550330	cancer susceptibility candidate 1	Casc1	297720	1,26	up
6260141	7271128	1550317	cancer susceptibility candidate 1	Casc1	297720	1,05	up
6268598	7271128	1550313	cancer susceptibility candidate 1	Casc1	297720	1,04	up
6273452	7271128	1550323	cancer susceptibility candidate 1	Casc1	297720	1,01	up
6386610	7271128	1550312	cancer susceptibility candidate 1	Casc1	297720	1,06	down
6467489	7271128	1550328	cancer susceptibility candidate 1	Casc1	297720	1,81	up
6556445	7271128	1550322	cancer susceptibility candidate 1	Casc1	297720	1,06	down
6703464	7271128	1550320	cancer susceptibility candidate 1	Casc1	297720	1,48	down

6723812	7271128	1550324	cancer susceptibility candidate 1	Casc1	297720	1,07	up
5650623	7355609	1758999	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,13	up
5697485	7355609	1758978	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,01	down
5698016	7355609	1758982	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,42	down
5781249	7355609	1758981	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,00	up
5802162	7355609	1758976	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,03	up
5806598	7355609	1759003	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,10	up
5812191	7355609	1758993	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,05	down
5822310	7355609	1758983	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,10	down
5923386	7355609	1758986	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,02	up
5941840	7355609	1758973	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,05	down
5988922	7355609	1758988	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,10	down
6016540	7355609	1758995	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	2,07	up
6031473	7355609	1758992	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,07	up
6032891	7355609	1758994	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,02	up
6049790	7355609	1758985	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,04	down
6085309	7355609	1758979	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,42	down
6100682	7355609	1758998	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,38	up
6143428	7355609	1758991	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,43	up
6144557	7355609	1758996	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,03	down
6153734	7355609	1758972	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,20	down
6183737	7355609	1758977	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,02	up
6194418	7355609	1758987	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,39	down
6200216	7355609	1759002	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,16	down
6250499	7355609	1759005	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,06	up
6254906	7355609	1758975	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,05	down
6284426	7355609	1759000	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,57	down
6370163	7355609	1759001	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,12	down
6373204	7355609	1758974	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,41	up
6409220	7355609	1759007	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,09	down
6425664	7355609	1758997	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,23	down
6450449	7355609	1759006	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,05	down
6577963	7355609	1758984	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,13	up
6620855	7355609	1758996	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,42	up
6698474	7355609	1759008	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,02	down
6702381	7355609	1758980	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,36	down
6712562	7355609	1758989	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,19	down
6722834	7355609	1759004	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,08	down
6734622	7355609	1758990	carbamoyl-phosphate synthetase 1, mitochondrial	Cps1	497840	1,06	down
5734798	7230218	1447760	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	Chst1	295934	1,24	up
5944317	7230218	1447760	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	Chst1	295934	2,71	down
6115307	7230218	1447761	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	Chst1	295934	1,05	up
6234977	7230218	1447759	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	Chst1	295934	1,10	up
5687552	7057966	1026814	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	2,15	down
5693830	7057966	1026827	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,15	up
5859526	7057966	1026815	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,20	up
5877472	7057966	1026842	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,16	down
5900612	7057966	1026826	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,89	down
6028416	7057966	1026821	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,11	down
6143441	7057966	1026816	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,00	up
6152895	7057966	1026827	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,22	up
6454916	7057966	1026818	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,12	down
6491584	7057966	1026817	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,32	down
6511597	7057966	1026834	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,04	down
6668687	7057966	1026832	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,37	down
6670337	7057966	1026822	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,66	down

6681603	7057966	1026820	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,73	down
6730805	7057966	1026837	carboxypeptidase X (M14 family), member 2	Cpxm2	293566	1,02	up
5727734	7120108	1177680	carboxypeptidase Z	Cpz	83575	1,00	down
5838440	7120108	1177685	carboxypeptidase Z	Cpz	83575	1,51	down
6085836	7120108	1177678	carboxypeptidase Z	Cpz	83575	1,44	up
6201411	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,17	up
6217652	7120108	1177677	carboxypeptidase Z	Cpz	83575	2,11	down
6272468	7120108	1177681	carboxypeptidase Z	Cpz	83575	1,24	up
6301256	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,20	up
6303809	7120108	1177679	carboxypeptidase Z	Cpz	83575	1,21	up
6408183	7120108	1177675	carboxypeptidase Z	Cpz	83575	1,33	up
6422826	7120108	1177684	carboxypeptidase Z	Cpz	83575	1,02	down
6430275	7120108	1177683	carboxypeptidase Z	Cpz	83575	1,15	down
6535018	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,20	up
6545268	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,02	down
6585872	7120108	1177676	carboxypeptidase Z	Cpz	83575	1,03	up
6661892	7120108	1177682	carboxypeptidase Z	Cpz	83575	1,11	up
5690028	7029675	959960	carcinoembryonic antigen-related cell adhesion molecule 10	Ceacam10	287009	1,03	up
6337895	7029675	959959	carcinoembryonic antigen-related cell adhesion molecule 10	Ceacam10	287009	1,15	down
6659791	7029675	959958	carcinoembryonic antigen-related cell adhesion molecule 10	Ceacam10	287009	2,35	down
6710411	7029675	959958	carcinoembryonic antigen-related cell adhesion molecule 10	Ceacam10	287009	1,24	up
5675933	7029208	959116	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,01	up
5857932	7029208	959112	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,03	up
5916045	7029208	959115	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,01	down
6087481	7029208	959117	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,18	down
6214466	7029208	959117	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,33	up
6232629	7029208	959114	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,02	up
6374059	7029208	959113	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,02	down
6471197	7029208	959117	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,46	down
6491310	7029208	959117	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,28	up
6677514	7029208	959111	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	2,27	up
6745614	7029208	959117	carcinoembryonic antigen-related cell adhesion molecule 3	Ceacam3	24926	1,42	down
5697501	7261367	1526171	carnitine O-octanoyltransferase	Crot	83842	1,06	up
5715224	7261367	1526182	carnitine O-octanoyltransferase	Crot	83842	1,22	up
5794151	7261367	1526166	carnitine O-octanoyltransferase	Crot	83842	1,16	down
5849113	7261367	1526170	carnitine O-octanoyltransferase	Crot	83842	1,40	down
5877000	7261367	1526173	carnitine O-octanoyltransferase	Crot	83842	1,05	up
5906439	7261367	1526183	carnitine O-octanoyltransferase	Crot	83842	1,22	down
5947995	7261367	1526169	carnitine O-octanoyltransferase	Crot	83842	1,37	down
5951264	7261367	1526181	carnitine O-octanoyltransferase	Crot	83842	1,27	down
6074703	7261367	1526180	carnitine O-octanoyltransferase	Crot	83842	1,64	up
6080061	7261367	1526177	carnitine O-octanoyltransferase	Crot	83842	1,20	up
6084556	7261367	1526167	carnitine O-octanoyltransferase	Crot	83842	1,49	down
6171251	7261367	1526166	carnitine O-octanoyltransferase	Crot	83842	1,37	down
6191105	7261367	1526168	carnitine O-octanoyltransferase	Crot	83842	1,12	up
6194796	7261367	1526176	carnitine O-octanoyltransferase	Crot	83842	2,07	up
6261924	7261367	1526167	carnitine O-octanoyltransferase	Crot	83842	1,20	up
6326514	7261367	1526172	carnitine O-octanoyltransferase	Crot	83842	1,25	down
6417239	7261367	1526178	carnitine O-octanoyltransferase	Crot	83842	1,35	up
6426975	7261367	1526174	carnitine O-octanoyltransferase	Crot	83842	1,20	down
6628498	7261367	1526175	carnitine O-octanoyltransferase	Crot	83842	1,37	up
6630059	7261367	1526179	carnitine O-octanoyltransferase	Crot	83842	1,07	up
5719592	7050780	1011382	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,84	down
5725395	7050780	1011386	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,68	up
5730448	7050780	1011374	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,18	down
5763157	7050780	1011371	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,59	up

5783121	7050780	1011377	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,23	up
5784662	7050780	1011370	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,46	down
5946755	7050780	1011371	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,05	up
5948232	7050780	1011373	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,18	up
6033728	7050780	1011384	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,03	up
6062824	7050780	1011385	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,30	down
6079873	7050780	1011377	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,21	up
6094388	7050780	1011379	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,07	up
6126752	7050780	1011379	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,18	down
6127143	7050780	1011375	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,03	down
6143095	7050780	1011370	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,39	down
6149644	7050780	1011380	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,13	down
6216068	7050780	1011390	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,15	down
6233046	7050780	1011385	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,03	up
6382113	7050780	1011385	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,09	up
6432513	7050780	1011378	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,22	down
6443387	7050780	1011372	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,16	down
6576767	7050780	1011377	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,23	down
6611573	7050780	1011373	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,41	up
6664612	7050780	1011381	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,05	down
6732949	7050780	1011378	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,96	up
6736229	7050780	1011376	carnitine palmitoyltransferase 1c	Cpt1c	308579	1,35	down
5631354	7202911	1382474	CART prepropeptide	Cartpt	29131	1,15	up
5665895	7202911	1382475	CART prepropeptide	Cartpt	29131	1,36	up
5882639	7202911	1382476	CART prepropeptide	Cartpt	29131	1,38	down
6082908	7202911	1382476	CART prepropeptide	Cartpt	29131	2,37	up
6088666	7202911	1382474	CART prepropeptide	Cartpt	29131	1,13	down
6239426	7202911	1382477	CART prepropeptide	Cartpt	29131	1,06	down
5731848	7042159	990854	cartilage acidic protein 1	Crtac1	171438	1,06	up
5734467	7042159	990854	cartilage acidic protein 1	Crtac1	171438	2,50	down
5773990	7042159	990850	cartilage acidic protein 1	Crtac1	171438	1,06	up
6045596	7042159	990854	cartilage acidic protein 1	Crtac1	171438	1,32	up
6159848	7042159	990852	cartilage acidic protein 1	Crtac1	171438	1,14	down
6257734	7042159	990853	cartilage acidic protein 1	Crtac1	171438	1,02	down
6445780	7042159	990849	cartilage acidic protein 1	Crtac1	171438	1,67	down
6639248	7042159	990851	cartilage acidic protein 1	Crtac1	171438	1,12	down
5808723	7337380	1713039	casein kinase 1, gamma 1	Csnk1g1	64086	1,05	up
5862872	7337380	1713043	casein kinase 1, gamma 1	Csnk1g1	64086	1,09	down
5907319	7337380	1713036	casein kinase 1, gamma 1	Csnk1g1	64086	1,15	down
6010683	7337380	1713041	casein kinase 1, gamma 1	Csnk1g1	64086	1,13	up
6017759	7337380	1713035	casein kinase 1, gamma 1	Csnk1g1	64086	1,18	up
6045771	7337380	1713040	casein kinase 1, gamma 1	Csnk1g1	64086	1,03	up
6120679	7337380	1713044	casein kinase 1, gamma 1	Csnk1g1	64086	1,36	up
6245211	7337380	1713045	casein kinase 1, gamma 1	Csnk1g1	64086	2,03	down
6325483	7337380	1713045	casein kinase 1, gamma 1	Csnk1g1	64086	2,42	down
6369287	7337380	1713037	casein kinase 1, gamma 1	Csnk1g1	64086	1,01	up
6482717	7337380	1713043	casein kinase 1, gamma 1	Csnk1g1	64086	1,09	down
6552721	7337380	1713038	casein kinase 1, gamma 1	Csnk1g1	64086	1,10	down
6561157	7337380	1713042	casein kinase 1, gamma 1	Csnk1g1	64086	1,17	up
6631897	7337380	1713034	casein kinase 1, gamma 1	Csnk1g1	64086	1,64	down
6742064	7337380	1713036	casein kinase 1, gamma 1	Csnk1g1	64086	1,01	down
5939936	7332570	1701737	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	2,94	down
5994357	7332570	1701731	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	2,25	down
6202145	7332570	1701732	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,28	up
6210375	7332570	1701736	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,05	down
6490637	7332570	1701734	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,88	up

6515331	7332570	1701733	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,28	up
6523876	7332570	1701732	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,96	down
6586119	7332570	1701732	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,13	down
6665227	7332570	1701735	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,90	up
5643950	7096842	1119245	caspase recruitment domain family, member 11	Card11	304314	1,15	down
5684568	7096842	1119249	caspase recruitment domain family, member 11	Card11	304314	1,10	down
5705173	7096842	1119242	caspase recruitment domain family, member 11	Card11	304314	1,03	up
5715528	7096842	1119243	caspase recruitment domain family, member 11	Card11	304314	1,04	up
5720629	7096842	1119244	caspase recruitment domain family, member 11	Card11	304314	1,31	up
5766313	7096842	1119250	caspase recruitment domain family, member 11	Card11	304314	1,49	down
5803519	7096842	1119252	caspase recruitment domain family, member 11	Card11	304314	1,06	down
5810516	7096842	1119259	caspase recruitment domain family, member 11	Card11	304314	1,22	down
5815687	7096842	1119256	caspase recruitment domain family, member 11	Card11	304314	2,22	down
5921671	7096842	1119257	caspase recruitment domain family, member 11	Card11	304314	1,06	up
5997758	7096842	1119247	caspase recruitment domain family, member 11	Card11	304314	1,10	up
6112177	7096842	1119251	caspase recruitment domain family, member 11	Card11	304314	1,06	up
6190427	7096842	1119258	caspase recruitment domain family, member 11	Card11	304314	1,91	down
6220165	7096842	1119248	caspase recruitment domain family, member 11	Card11	304314	1,90	up
6263410	7096842	1119233	caspase recruitment domain family, member 11	Card11	304314	1,42	down
6273591	7096842	1119246	caspase recruitment domain family, member 11	Card11	304314	1,26	down
6276879	7096842	1119260	caspase recruitment domain family, member 11	Card11	304314	2,26	up
6308678	7096842	1119254	caspase recruitment domain family, member 11	Card11	304314	1,05	up
6346310	7096842	1119255	caspase recruitment domain family, member 11	Card11	304314	1,02	down
6353237	7096842	1119225	caspase recruitment domain family, member 11	Card11	304314	1,14	up
6371841	7096842	1119245	caspase recruitment domain family, member 11	Card11	304314	1,06	down
6385467	7096842	1119260	caspase recruitment domain family, member 11	Card11	304314	1,73	down
6437542	7096842	1119238	caspase recruitment domain family, member 11	Card11	304314	1,03	down
6447929	7096842	1119235	caspase recruitment domain family, member 11	Card11	304314	1,23	up
6559498	7096842	1119239	caspase recruitment domain family, member 11	Card11	304314	1,15	up
6598996	7096842	1119260	caspase recruitment domain family, member 11	Card11	304314	1,18	up
6662487	7096842	1119254	caspase recruitment domain family, member 11	Card11	304314	1,41	down
6663553	7096842	1119253	caspase recruitment domain family, member 11	Card11	304314	1,25	up
6721895	7096842	1119240	caspase recruitment domain family, member 11	Card11	304314	1,56	up
5653474	7230653	1448940	catalase	Cat	24248	1,14	up
5776384	7230653	1448949	catalase	Cat	24248	1,24	down
5794675	7230653	1448938	catalase	Cat	24248	1,10	down
5853359	7230653	1448937	catalase	Cat	24248	1,28	up
5928226	7230653	1448939	catalase	Cat	24248	1,18	up
5966569	7230653	1448945	catalase	Cat	24248	1,13	up
5981564	7230653	1448946	catalase	Cat	24248	1,04	up
5997765	7230653	1448949	catalase	Cat	24248	1,30	down
5998871	7230653	1448948	catalase	Cat	24248	1,02	up
6047618	7230653	1448936	catalase	Cat	24248	1,28	down
6224518	7230653	1448947	catalase	Cat	24248	1,12	up
6350848	7230653	1448942	catalase	Cat	24248	1,24	up
6498055	7230653	1448949	catalase	Cat	24248	2,16	down
6561994	7230653	1448936	catalase	Cat	24248	1,29	down
6620071	7230653	1448941	catalase	Cat	24248	1,24	up
6704348	7230653	1448944	catalase	Cat	24248	1,05	up
6717472	7230653	1448943	catalase	Cat	24248	1,08	up
5634628	7129696	1200590	catechol-O-methyltransferase domain containing 1	Comtd1	305685	2,29	up
5806778	7129696	1200588	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,05	up
5822460	7129696	1200587	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,15	up
5958363	7129696	1200590	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,41	up
6186983	7129696	1200586	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,72	down
6265696	7129696	1200589	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,77	down

6303094	7129696	1200588	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,02	up
6633910	7129696	1200587	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,33	down
6741338	7129696	1200591	catechol-O-methyltransferase domain containing 1	Comtd1	305685	1,76	down
5821081	7104905	1140015	cathepsin E	Ctse	25424	1,17	up
6012977	7104905	1140009	cathepsin E	Ctse	25424	1,22	down
6085054	7104905	1140012	cathepsin E	Ctse	25424	1,14	up
6087581	7104905	1140018	cathepsin E	Ctse	25424	1,13	up
6239378	7104905	1140009	cathepsin E	Ctse	25424	1,06	up
6263554	7104905	1140013	cathepsin E	Ctse	25424	1,56	up
6285732	7104905	1140012	cathepsin E	Ctse	25424	1,09	up
6407840	7104905	1140017	cathepsin E	Ctse	25424	1,06	down
6571568	7104905	1140010	cathepsin E	Ctse	25424	1,07	up
6637933	7104905	1140011	cathepsin E	Ctse	25424	2,09	down
6650857	7104905	1140016	cathepsin E	Ctse	25424	1,06	up
6664072	7104905	1140014	cathepsin E	Ctse	25424	1,34	down
5877511	7240245	1474461	CBF1 interacting corepressor	Cir	362149	1,40	down
6142570	7240245	1474460	CBF1 interacting corepressor	Cir	362149	1,29	up
6187891	7240245	1474460	CBF1 interacting corepressor	Cir	362149	1,23	up
6317460	7240245	1474463	CBF1 interacting corepressor	Cir	362149	1,29	up
6403120	7240245	1474465	CBF1 interacting corepressor	Cir	362149	2,11	down
6416661	7240245	1474467	CBF1 interacting corepressor	Cir	362149	1,70	up
6567522	7240245	1474461	CBF1 interacting corepressor	Cir	362149	1,06	up
6613856	7240245	1474468	CBF1 interacting corepressor	Cir	362149	1,76	up
6616411	7240245	1474469	CBF1 interacting corepressor	Cir	362149	1,60	down
6644912	7240245	1474461	CBF1 interacting corepressor	Cir	362149	1,11	down
6648375	7240245	1474462	CBF1 interacting corepressor	Cir	362149	1,00	up
6652650	7240245	1474464	CBF1 interacting corepressor	Cir	362149	1,19	up
6672323	7240245	1474461	CBF1 interacting corepressor	Cir	362149	1,10	down
6702791	7240245	1474466	CBF1 interacting corepressor	Cir	362149	1,11	down
5754940	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	1,42	up
5879125	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	1,06	up
5963859	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	2,60	down
6335379	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	2,74	down
6397806	7235544	1462206	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	1,12	up
6417368	7235544	1462206	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	1,21	up
6466575	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	1,27	down
6669084	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpβ	24253	1,37	up
5662400	7076972	1073181	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,22	down
5755429	7076972	1073171	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,51	up
5873961	7076972	1073175	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,24	up
5900925	7076972	1073182	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,19	down
5973822	7076972	1073183	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,33	up
6030450	7076972	1073180	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,23	up
6172618	7076972	1073175	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,33	down
6243215	7076972	1073173	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,07	up
6300508	7076972	1073178	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,16	down
6340054	7076972	1073182	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,10	up
6348191	7076972	1073176	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,27	down
6567972	7076972	1073172	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,47	down
6624145	7076972	1073177	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	2,20	up
6690495	7076972	1073174	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,06	up
6730612	7076972	1073184	CCR4-NOT transcription complex, subunit 6	Cnot6	287249	1,14	down
5677022	7146000	1240663	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,08	up
5685239	7146000	1240660	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,05	up
5809758	7146000	1240662	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,21	up
5864464	7146000	1240659	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,03	up

6018555	7146000	1240658	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,02	up
6061757	7146000	1240663	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,20	down
6173680	7146000	1240654	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,12	down
6217748	7146000	1240657	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,10	down
6638092	7146000	1240656	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,23	down
5698119	7219866	1422723	CD24 molecule	Cd24	25145	1,02	up
5730469	7219866	1422723	CD24 molecule	Cd24	25145	1,00	down
5821697	7219866	1422723	CD24 molecule	Cd24	25145	1,11	up
5926988	7219866	1422723	CD24 molecule	Cd24	25145	2,86	up
5977262	7219866	1422722	CD24 molecule	Cd24	25145	2,14	up
6049760	7219866	1422723	CD24 molecule	Cd24	25145	1,11	down
6060582	7219866	1422723	CD24 molecule	Cd24	25145	1,18	down
6301198	7219866	1422722	CD24 molecule	Cd24	25145	1,75	up
6368857	7219866	1422723	CD24 molecule	Cd24	25145	1,53	up
6536829	7219866	1422723	CD24 molecule	Cd24	25145	1,14	up
6564111	7219866	1422723	CD24 molecule	Cd24	25145	1,55	down
5619229	7269641	1546248	CD27 molecule	Cd27	500318	1,04	up
5700623	7269641	1546254	CD27 molecule	Cd27	500318	1,02	up
5764258	7269641	1546252	CD27 molecule	Cd27	500318	2,36	up
5785463	7269641	1546250	CD27 molecule	Cd27	500318	1,67	down
6129202	7269641	1546249	CD27 molecule	Cd27	500318	1,06	up
6346907	7269641	1546251	CD27 molecule	Cd27	500318	1,44	up
6360095	7269641	1546250	CD27 molecule	Cd27	500318	1,07	up
6704340	7269641	1546253	CD27 molecule	Cd27	500318	1,21	down
6580811	7041061	988084	CD274 molecule	Cd274	499342	1,21	up
5656646	7352385	1750842	CD2-associated protein	Cd2ap	316258	1,02	down
5665451	7352385	1750846	CD2-associated protein	Cd2ap	316258	1,19	up
5700594	7352385	1750835	CD2-associated protein	Cd2ap	316258	1,14	up
5762192	7352385	1750847	CD2-associated protein	Cd2ap	316258	1,32	up
5765192	7352385	1750838	CD2-associated protein	Cd2ap	316258	1,12	up
5977076	7352385	1750847	CD2-associated protein	Cd2ap	316258	1,01	down
6007297	7352385	1750844	CD2-associated protein	Cd2ap	316258	1,22	down
6155798	7352385	1750849	CD2-associated protein	Cd2ap	316258	1,07	up
6263845	7352385	1750848	CD2-associated protein	Cd2ap	316258	1,11	down
6297695	7352385	1750840	CD2-associated protein	Cd2ap	316258	1,03	down
6335356	7352385	1750851	CD2-associated protein	Cd2ap	316258	1,14	up
6345775	7352385	1750843	CD2-associated protein	Cd2ap	316258	1,39	down
6370391	7352385	1750841	CD2-associated protein	Cd2ap	316258	1,05	down
6416491	7352385	1750845	CD2-associated protein	Cd2ap	316258	1,54	up
6444313	7352385	1750839	CD2-associated protein	Cd2ap	316258	1,19	up
6493587	7352385	1750836	CD2-associated protein	Cd2ap	316258	1,18	up
6636214	7352385	1750837	CD2-associated protein	Cd2ap	316258	4,21	down
6657488	7352385	1750839	CD2-associated protein	Cd2ap	316258	1,09	down
6705493	7352385	1750845	CD2-associated protein	Cd2ap	316258	2,49	down
6708867	7352385	1750850	CD2-associated protein	Cd2ap	316258	1,76	down
5867997	7073577	1064762	CD300A molecule	Cd300a	501736	1,06	up
6177073	7073577	1064763	CD300A molecule	Cd300a	501736	1,52	down
6258784	7073577	1064760	CD300A molecule	Cd300a	501736	1,35	up
6330738	7073577	1064764	CD300A molecule	Cd300a	501736	1,13	up
6376585	7073577	1064759	CD300A molecule	Cd300a	501736	1,57	down
6395812	7073577	1064765	CD300A molecule	Cd300a	501736	1,15	down
6535661	7073577	1064761	CD300A molecule	Cd300a	501736	2,01	down
6609725	7073577	1064762	CD300A molecule	Cd300a	501736	1,45	down
5767989	7235393	1461715	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,11	up
5874545	7235393	1461709	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,50	up
5948637	7235393	1461716	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,32	up

6041326	7235393	1461705	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,84	down
6071858	7235393	1461717	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,16	down
6074592	7235393	1461708	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	2,20	up
6100015	7235393	1461710	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	2,74	up
6100046	7235393	1461719	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,09	up
6623152	7235393	1461719	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,11	down
6715883	7235393	1461707	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,45	up
5783798	7242411	1479249	Cd44 molecule	Cd44	25406	2,31	up
5825076	7242411	1479230	Cd44 molecule	Cd44	25406	1,20	up
5843073	7242411	1479235	Cd44 molecule	Cd44	25406	1,33	down
5870718	7242411	1479242	Cd44 molecule	Cd44	25406	3,39	down
5872959	7242411	1479231	Cd44 molecule	Cd44	25406	2,74	up
5890377	7242411	1479238	Cd44 molecule	Cd44	25406	1,10	up
5969176	7242411	1479241	Cd44 molecule	Cd44	25406	1,71	down
5994625	7242411	1479229	Cd44 molecule	Cd44	25406	1,51	up
6115320	7242411	1479243	Cd44 molecule	Cd44	25406	3,67	down
6244536	7242411	1479246	Cd44 molecule	Cd44	25406	2,80	up
6251718	7242411	1479239	Cd44 molecule	Cd44	25406	3,55	down
6293760	7242411	1479245	Cd44 molecule	Cd44	25406	2,42	up
6308129	7242411	1479244	Cd44 molecule	Cd44	25406	3,17	down
6338479	7242411	1479236	Cd44 molecule	Cd44	25406	2,44	down
6340517	7242411	1479232	Cd44 molecule	Cd44	25406	1,53	up
6434447	7242411	1479247	Cd44 molecule	Cd44	25406	2,20	up
6457865	7242411	1479241	Cd44 molecule	Cd44	25406	1,09	down
6489714	7242411	1479248	Cd44 molecule	Cd44	25406	3,68	up
6533970	7242411	1479240	Cd44 molecule	Cd44	25406	3,71	down
6569321	7242411	1479233	Cd44 molecule	Cd44	25406	1,03	down
6630737	7242411	1479237	Cd44 molecule	Cd44	25406	1,31	down
6729789	7242411	1479234	Cd44 molecule	Cd44	25406	1,43	up
5637095	7060361	1032334	Cd5 molecule	Cd5	54236	2,80	down
5725436	7060361	1032338	Cd5 molecule	Cd5	54236	1,10	up
5770174	7060361	1032332	Cd5 molecule	Cd5	54236	1,11	down
5797097	7060361	1032328	Cd5 molecule	Cd5	54236	1,11	up
5821426	7060361	1032334	Cd5 molecule	Cd5	54236	1,09	down
5836629	7060361	1032334	Cd5 molecule	Cd5	54236	1,05	down
5888102	7060361	1032333	Cd5 molecule	Cd5	54236	1,28	down
5899340	7060361	1032328	Cd5 molecule	Cd5	54236	1,00	down
5965590	7060361	1032330	Cd5 molecule	Cd5	54236	1,01	down
5985347	7060361	1032335	Cd5 molecule	Cd5	54236	1,23	up
6144401	7060361	1032329	Cd5 molecule	Cd5	54236	1,07	up
6244897	7060361	1032336	Cd5 molecule	Cd5	54236	1,35	down
6470562	7060361	1032334	Cd5 molecule	Cd5	54236	1,14	down
6493581	7060361	1032331	Cd5 molecule	Cd5	54236	1,24	down
6583702	7060361	1032334	Cd5 molecule	Cd5	54236	1,27	down
6636626	7060361	1032337	Cd5 molecule	Cd5	54236	1,56	up
5721404	7270038	1547246	Cd69 molecule	Cd69	29187	3,50	up
5928284	7270038	1547248	Cd69 molecule	Cd69	29187	2,09	up
6181648	7270038	1547245	Cd69 molecule	Cd69	29187	1,96	down
6182521	7270038	1547247	Cd69 molecule	Cd69	29187	1,88	up
6258061	7270038	1547249	Cd69 molecule	Cd69	29187	1,80	up
6329823	7270038	1547250	Cd69 molecule	Cd69	29187	3,79	down
5727419	7170979	1302160	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,08	up
5954234	7170979	1302162	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,20	up
5995166	7170979	1302164	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,01	up
6007764	7170979	1302167	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	3,51	down
6086666	7170979	1302165	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,09	up

6183597	7170979	1302161	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,22	down
6255822	7170979	1302166	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,43	up
6578400	7170979	1302163	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,31	up
5658912	7241972	1478252	Cd82 molecule	Cd82	83628	1,08	up
5840543	7241972	1478254	Cd82 molecule	Cd82	83628	1,09	up
5941347	7241972	1478250	Cd82 molecule	Cd82	83628	1,21	down
5987939	7241972	1478250	Cd82 molecule	Cd82	83628	1,42	up
6031210	7241972	1478259	Cd82 molecule	Cd82	83628	1,48	down
6079009	7241972	1478257	Cd82 molecule	Cd82	83628	1,06	up
6305710	7241972	1478255	Cd82 molecule	Cd82	83628	1,19	up
6333416	7241972	1478251	Cd82 molecule	Cd82	83628	1,11	up
6446012	7241972	1478256	Cd82 molecule	Cd82	83628	1,02	up
6474668	7241972	1478253	Cd82 molecule	Cd82	83628	1,04	up
6555737	7241972	1478250	Cd82 molecule	Cd82	83628	4,59	down
6569483	7241972	1478260	Cd82 molecule	Cd82	83628	1,39	down
6715340	7241972	1478258	Cd82 molecule	Cd82	83628	1,10	down
5627673	7246271	1488549	CD93 molecule	Cd93	84398	1,01	up
5708697	7246271	1488549	CD93 molecule	Cd93	84398	1,65	down
5711996	7246271	1488549	CD93 molecule	Cd93	84398	1,05	up
5713096	7246271	1488549	CD93 molecule	Cd93	84398	1,23	down
5722922	7246271	1488548	CD93 molecule	Cd93	84398	1,67	down
5726645	7246271	1488551	CD93 molecule	Cd93	84398	1,35	down
5746965	7246271	1488549	CD93 molecule	Cd93	84398	1,02	down
5784046	7246271	1488548	CD93 molecule	Cd93	84398	1,02	up
5820050	7246271	1488551	CD93 molecule	Cd93	84398	1,01	up
5847294	7246271	1488549	CD93 molecule	Cd93	84398	1,01	up
5860112	7246271	1488549	CD93 molecule	Cd93	84398	1,15	down
5964238	7246271	1488549	CD93 molecule	Cd93	84398	1,08	up
6147084	7246271	1488550	CD93 molecule	Cd93	84398	1,00	up
6220905	7246271	1488550	CD93 molecule	Cd93	84398	1,06	down
6226700	7246271	1488549	CD93 molecule	Cd93	84398	2,00	down
6414871	7246271	1488549	CD93 molecule	Cd93	84398	1,37	down
6417533	7246271	1488551	CD93 molecule	Cd93	84398	1,08	down
6418970	7246271	1488551	CD93 molecule	Cd93	84398	1,08	down
6586189	7246271	1488549	CD93 molecule	Cd93	84398	1,06	up
6608550	7246271	1488551	CD93 molecule	Cd93	84398	1,01	down
5629160	7154655	1262320	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,44	down
5785266	7154655	1262329	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,03	down
5790726	7154655	1262332	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,10	up
5878563	7154655	1262340	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,15	down
5937801	7154655	1262341	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,13	down
5989006	7154655	1262318	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,30	up
5992158	7154655	1262337	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,13	up
6047933	7154655	1262341	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,17	down
6051637	7154655	1262328	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,43	down
6074831	7154655	1262321	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,06	up
6189491	7154655	1262330	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,03	down
6245678	7154655	1262341	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,09	down
6253860	7154655	1262331	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,19	up
6269429	7154655	1262325	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,40	down
6294530	7154655	1262326	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,24	down
6397485	7154655	1262327	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,15	down
6660678	7154655	1262322	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,16	down
6733220	7154655	1262342	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,08	down
5740961	7318631	1669027	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,02	down
5752203	7318631	1669027	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	2,20	down

6109413	7318631	1669026	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,10	up
6228304	7318631	1669026	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,07	up
6278824	7318631	1669027	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,16	down
6293219	7318631	1669027	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,20	up
6393553	7318631	1669026	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,50	up
6595007	7318631	1669027	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,11	up
6732209	7318631	1669026	CDC42 effector protein (Rho GTPase binding) 1	Cdc42ep1	315121	1,01	up
5699487	7088432	1099419	Cdc42 GTPase-activating protein	Cdgap	288093	1,24	up
5924849	7088432	1099421	Cdc42 GTPase-activating protein	Cdgap	288093	1,05	up
5930998	7088432	1099416	Cdc42 GTPase-activating protein	Cdgap	288093	1,21	up
6072112	7088432	1099411	Cdc42 GTPase-activating protein	Cdgap	288093	1,09	up
6220873	7088432	1099393	Cdc42 GTPase-activating protein	Cdgap	288093	1,52	down
6348291	7088432	1099421	Cdc42 GTPase-activating protein	Cdgap	288093	1,12	up
6364348	7088432	1099410	Cdc42 GTPase-activating protein	Cdgap	288093	1,31	up
6387679	7088432	1099409	Cdc42 GTPase-activating protein	Cdgap	288093	1,11	down
6453569	7088432	1099418	Cdc42 GTPase-activating protein	Cdgap	288093	1,02	up
6501366	7088432	1099412	Cdc42 GTPase-activating protein	Cdgap	288093	1,06	up
6555271	7088432	1099408	Cdc42 GTPase-activating protein	Cdgap	288093	1,24	down
6579125	7088432	1099413	Cdc42 GTPase-activating protein	Cdgap	288093	1,08	down
6610556	7088432	1099421	Cdc42 GTPase-activating protein	Cdgap	288093	2,64	down
6713367	7088432	1099420	Cdc42 GTPase-activating protein	Cdgap	288093	1,55	up
5664555	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,21	up
5797860	7038971	982984	CDK2-associated protein 2	Cdk2ap2	688405	1,02	up
6009763	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,08	up
6161655	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,44	down
6205198	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,25	up
6432674	7038971	982985	CDK2-associated protein 2	Cdk2ap2	688405	1,11	up
6495626	7038971	982985	CDK2-associated protein 2	Cdk2ap2	688405	1,09	down
6642150	7038971	982985	CDK2-associated protein 2	Cdk2ap2	688405	1,10	up
5624464	7167876	1294075	Cdk5 and Abl enzyme substrate 1	Cables1	307585	2,35	down
5682659	7167876	1294073	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,72	down
5723426	7167876	1294049	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,18	down
5759824	7167876	1294063	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,37	down
6097374	7167876	1294049	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,23	down
6251254	7167876	1294049	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,17	up
6303077	7167876	1294083	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,04	down
6378132	7167876	1294083	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,29	up
6418022	7167876	1294060	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,23	down
6534483	7167876	1294081	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,07	up
6562950	7167876	1294073	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,00	down
6664734	7167876	1294074	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,16	down
6712378	7167876	1294082	Cdk5 and Abl enzyme substrate 1	Cables1	307585	1,01	up
5708966	7157341	1269135	CDK5 regulatory subunit associated protein 1-like 1	Cdkal1	361243	1,06	down
6143745	7157341	1269134	CDK5 regulatory subunit associated protein 1-like 1	Cdkal1	361243	1,48	up
6225643	7157341	1269147	CDK5 regulatory subunit associated protein 1-like 1	Cdkal1	361243	1,80	down
6384196	7157341	1269149	CDK5 regulatory subunit associated protein 1-like 1	Cdkal1	361243	1,01	up
6478402	7157341	1269137	CDK5 regulatory subunit associated protein 1-like 1	Cdkal1	361243	1,38	up
6725636	7157341	1269136	CDK5 regulatory subunit associated protein 1-like 1	Cdkal1	361243	1,56	up
5757894	7145493	1239529	CDKN2A interacting protein	Cdkn2aip	306455	1,67	up
5987165	7145493	1239531	CDKN2A interacting protein	Cdkn2aip	306455	2,58	down
6080205	7145493	1239532	CDKN2A interacting protein	Cdkn2aip	306455	1,37	up
6197244	7145493	1239534	CDKN2A interacting protein	Cdkn2aip	306455	1,20	down
6209041	7145493	1239530	CDKN2A interacting protein	Cdkn2aip	306455	1,16	down
6296661	7145493	1239531	CDKN2A interacting protein	Cdkn2aip	306455	1,44	up
6328736	7145493	1239532	CDKN2A interacting protein	Cdkn2aip	306455	1,34	up
6334712	7145493	1239532	CDKN2A interacting protein	Cdkn2aip	306455	1,07	up

6510093	7145493	1239532	CDKN2A interacting protein	Cdkn2aip	306455	1,03	down
6710495	7145493	1239533	CDKN2A interacting protein	Cdkn2aip	306455	1,28	down
5799461	7334627	1706474	Cdon homolog (mouse)	Cdon	50938	1,01	up
5818238	7334627	1706480	Cdon homolog (mouse)	Cdon	50938	1,06	down
5828186	7334627	1706481	Cdon homolog (mouse)	Cdon	50938	1,44	up
5918588	7334627	1706483	Cdon homolog (mouse)	Cdon	50938	1,08	up
5921214	7334627	1706482	Cdon homolog (mouse)	Cdon	50938	1,11	down
5927598	7334627	1706470	Cdon homolog (mouse)	Cdon	50938	1,09	down
5931945	7334627	1706475	Cdon homolog (mouse)	Cdon	50938	1,25	up
5940173	7334627	1706479	Cdon homolog (mouse)	Cdon	50938	1,15	up
5943192	7334627	1706487	Cdon homolog (mouse)	Cdon	50938	1,10	down
5958876	7334627	1706470	Cdon homolog (mouse)	Cdon	50938	1,07	down
6101718	7334627	1706479	Cdon homolog (mouse)	Cdon	50938	1,05	down
6119454	7334627	1706484	Cdon homolog (mouse)	Cdon	50938	1,14	up
6145262	7334627	1706488	Cdon homolog (mouse)	Cdon	50938	1,19	up
6202561	7334627	1706473	Cdon homolog (mouse)	Cdon	50938	1,14	down
6261165	7334627	1706472	Cdon homolog (mouse)	Cdon	50938	1,32	up
6273760	7334627	1706486	Cdon homolog (mouse)	Cdon	50938	1,42	down
6290092	7334627	1706471	Cdon homolog (mouse)	Cdon	50938	1,04	down
6350066	7334627	1706476	Cdon homolog (mouse)	Cdon	50938	1,08	down
6369540	7334627	1706478	Cdon homolog (mouse)	Cdon	50938	1,23	down
6470916	7334627	1706475	Cdon homolog (mouse)	Cdon	50938	1,17	up
6474205	7334627	1706475	Cdon homolog (mouse)	Cdon	50938	1,14	up
6505828	7334627	1706469	Cdon homolog (mouse)	Cdon	50938	1,17	down
6571811	7334627	1706476	Cdon homolog (mouse)	Cdon	50938	1,62	up
6655960	7334627	1706475	Cdon homolog (mouse)	Cdon	50938	1,03	down
6660622	7334627	1706477	Cdon homolog (mouse)	Cdon	50938	1,03	down
6682285	7334627	1706484	Cdon homolog (mouse)	Cdon	50938	1,46	up
6684439	7334627	1706485	Cdon homolog (mouse)	Cdon	50938	2,07	down
5961626	7090278	1104099	cell adhesion molecule 2	Cadm2	360687	1,14	up
5976364	7090278	1104091	cell adhesion molecule 2	Cadm2	360687	1,03	up
6317547	7090278	1104103	cell adhesion molecule 2	Cadm2	360687	1,72	up
6440613	7090278	1104096	cell adhesion molecule 2	Cadm2	360687	1,11	up
6633088	7090278	1104093	cell adhesion molecule 2	Cadm2	360687	1,02	up
6663485	7090278	1104076	cell adhesion molecule 2	Cadm2	360687	1,18	up
6677384	7090278	1104075	cell adhesion molecule 2	Cadm2	360687	1,11	up
6696949	7090278	1104089	cell adhesion molecule 2	Cadm2	360687	1,19	up
5658117	7337902	1714546	cell cycle progression 1	Ccp1	363098	1,22	down
5661789	7337902	1714538	cell cycle progression 1	Ccp1	363098	1,14	up
5947683	7337902	1714548	cell cycle progression 1	Ccp1	363098	1,05	down
5986432	7337902	1714540	cell cycle progression 1	Ccp1	363098	1,04	up
6005018	7337902	1714547	cell cycle progression 1	Ccp1	363098	1,06	up
6026388	7337902	1714541	cell cycle progression 1	Ccp1	363098	1,25	down
6257841	7337902	1714544	cell cycle progression 1	Ccp1	363098	1,03	up
6293362	7337902	1714545	cell cycle progression 1	Ccp1	363098	1,02	up
6315840	7337902	1714548	cell cycle progression 1	Ccp1	363098	1,37	up
6423415	7337902	1714547	cell cycle progression 1	Ccp1	363098	1,46	down
6540962	7337902	1714542	cell cycle progression 1	Ccp1	363098	1,26	down
5690045	7161300	1278552	cell cycle related kinase	Ccrk	364666	1,18	down
5696190	7161300	1278554	cell cycle related kinase	Ccrk	364666	1,51	down
5754374	7161300	1278551	cell cycle related kinase	Ccrk	364666	1,02	down
5940935	7161300	1278552	cell cycle related kinase	Ccrk	364666	1,12	up
5974002	7161300	1278551	cell cycle related kinase	Ccrk	364666	1,35	down
6004574	7161300	1278551	cell cycle related kinase	Ccrk	364666	1,44	up
6066184	7161300	1278553	cell cycle related kinase	Ccrk	364666	1,18	up
6165225	7161300	1278550	cell cycle related kinase	Ccrk	364666	1,11	down

6192511	7161300	1278554	cell cycle related kinase	Ccrk	364666	2,79	up
6381565	7161300	1278550	cell cycle related kinase	Ccrk	364666	1,24	up
6530371	7161300	1278549	cell cycle related kinase	Ccrk	364666	1,04	up
6564446	7161300	1278549	cell cycle related kinase	Ccrk	364666	1,01	up
5626572	7268451	1543629	cell death-inducing DFFA-like effector c	Cidec	500292	1,26	down
5673259	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	1,92	down
5699919	7268451	1543631	cell death-inducing DFFA-like effector c	Cidec	500292	2,86	down
5741754	7268451	1543627	cell death-inducing DFFA-like effector c	Cidec	500292	1,15	up
5816957	7268451	1543630	cell death-inducing DFFA-like effector c	Cidec	500292	1,02	up
5830448	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	1,54	down
6134552	7268451	1543631	cell death-inducing DFFA-like effector c	Cidec	500292	4,47	down
6269561	7268451	1543628	cell death-inducing DFFA-like effector c	Cidec	500292	1,91	up
6441468	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	1,28	up
6473618	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	1,58	up
5655285	7218195	1418559	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,14	up
5667422	7218195	1418556	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,31	down
5992008	7218195	1418558	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,50	down
6052985	7218195	1418555	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	2,00	down
6299939	7218195	1418560	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,00	down
6319563	7218195	1418554	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,49	up
6360742	7218195	1418552	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,08	up
6548042	7218195	1418555	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,07	down
6692009	7218195	1418553	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,45	up
6736323	7218195	1418557	cell division cycle 2, G1 to S and G2 to M	Cdc2	54237	1,37	down
5620640	7184981	1337843	centromere protein T	Cenpt	307805	2,42	down
5768234	7184981	1337845	centromere protein T	Cenpt	307805	1,54	down
5801704	7184981	1337841	centromere protein T	Cenpt	307805	1,44	down
5802576	7184981	1337845	centromere protein T	Cenpt	307805	1,10	up
5810198	7184981	1337838	centromere protein T	Cenpt	307805	1,17	down
5892128	7184981	1337843	centromere protein T	Cenpt	307805	1,46	up
5896001	7184981	1337849	centromere protein T	Cenpt	307805	1,11	up
5915320	7184981	1337854	centromere protein T	Cenpt	307805	1,23	up
5944214	7184981	1337847	centromere protein T	Cenpt	307805	2,28	up
5965847	7184981	1337846	centromere protein T	Cenpt	307805	1,15	down
6288916	7184981	1337850	centromere protein T	Cenpt	307805	1,16	up
6371742	7184981	1337842	centromere protein T	Cenpt	307805	1,03	down
6476867	7184981	1337854	centromere protein T	Cenpt	307805	1,06	up
6545005	7184981	1337847	centromere protein T	Cenpt	307805	1,02	up
6575560	7184981	1337836	centromere protein T	Cenpt	307805	1,36	down
6596089	7184981	1337848	centromere protein T	Cenpt	307805	1,34	down
6733062	7184981	1337835	centromere protein T	Cenpt	307805	1,58	down
6739331	7184981	1337842	centromere protein T	Cenpt	307805	1,35	up
5656660	7060790	1033227	centrosomal protein 78kDa	Cep78	60347	1,03	up
5764554	7060790	1033219	centrosomal protein 78kDa	Cep78	60347	1,03	up
5841055	7060790	1033221	centrosomal protein 78kDa	Cep78	60347	1,22	down
5880042	7060790	1033221	centrosomal protein 78kDa	Cep78	60347	1,33	down
5936638	7060790	1033216	centrosomal protein 78kDa	Cep78	60347	1,57	up
6038064	7060790	1033224	centrosomal protein 78kDa	Cep78	60347	1,64	up
6059790	7060790	1033218	centrosomal protein 78kDa	Cep78	60347	1,57	up
6150412	7060790	1033215	centrosomal protein 78kDa	Cep78	60347	1,17	up
6194845	7060790	1033221	centrosomal protein 78kDa	Cep78	60347	1,00	up
6352311	7060790	1033217	centrosomal protein 78kDa	Cep78	60347	1,28	down
6408023	7060790	1033220	centrosomal protein 78kDa	Cep78	60347	1,02	down
6442717	7060790	1033223	centrosomal protein 78kDa	Cep78	60347	2,02	up
6481691	7060790	1033225	centrosomal protein 78kDa	Cep78	60347	1,18	down
6602107	7060790	1033222	centrosomal protein 78kDa	Cep78	60347	1,38	up

6656192	7060790	1033219	centrosomal protein 78kDa	Cep78	60347	1,16	up
6667669	7060790	1033214	centrosomal protein 78kDa	Cep78	60347	1,36	up
6707977	7060790	1033226	centrosomal protein 78kDa	Cep78	60347	1,46	down
5645095	7192307	1355994	ceruloplasmin	Cp	24268	1,62	up
5665881	7192307	1355989	ceruloplasmin	Cp	24268	1,41	up
5769395	7192307	1355987	ceruloplasmin	Cp	24268	4,00	down
5846700	7192307	1355988	ceruloplasmin	Cp	24268	1,79	down
5935112	7192307	1355992	ceruloplasmin	Cp	24268	1,01	down
6003440	7192307	1356002	ceruloplasmin	Cp	24268	1,37	down
6020185	7192307	1355987	ceruloplasmin	Cp	24268	1,86	down
6092076	7192307	1355991	ceruloplasmin	Cp	24268	1,66	down
6139601	7192307	1355986	ceruloplasmin	Cp	24268	1,57	up
6142453	7192307	1355994	ceruloplasmin	Cp	24268	1,53	up
6172181	7192307	1356001	ceruloplasmin	Cp	24268	2,36	up
6183835	7192307	1355988	ceruloplasmin	Cp	24268	1,45	up
6185896	7192307	1355999	ceruloplasmin	Cp	24268	1,80	down
6304110	7192307	1355984	ceruloplasmin	Cp	24268	4,26	down
6364812	7192307	1355997	ceruloplasmin	Cp	24268	1,74	down
6396813	7192307	1355990	ceruloplasmin	Cp	24268	1,68	up
6449929	7192307	1356000	ceruloplasmin	Cp	24268	1,57	up
6450013	7192307	1355993	ceruloplasmin	Cp	24268	2,08	down
6594105	7192307	1355996	ceruloplasmin	Cp	24268	1,22	down
6687074	7192307	1355998	ceruloplasmin	Cp	24268	1,02	up
6706339	7192307	1355995	ceruloplasmin	Cp	24268	1,53	up
6731921	7192307	1355985	ceruloplasmin	Cp	24268	1,36	down
5624532	7114652	1163897	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,11	down
5682179	7114652	1163891	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,34	down
5694510	7114652	1163887	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,06	down
5708547	7114652	1163886	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,01	up
5718176	7114652	1163900	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,87	up
5739178	7114652	1163896	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,50	down
5793551	7114652	1163890	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,14	up
5810342	7114652	1163895	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,37	up
5812855	7114652	1163898	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,10	up
5933290	7114652	1163893	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,02	up
6062805	7114652	1163900	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	2,22	up
6156369	7114652	1163889	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,33	down
6299297	7114652	1163886	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,07	up
6364123	7114652	1163888	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,29	up
6382956	7114652	1163900	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,31	up
6493975	7114652	1163887	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,50	down
6639753	7114652	1163899	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,52	up
6711066	7114652	1163892	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,71	down
6730844	7114652	1163894	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,83	up
5617859	7196065	1365712	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,29	up
5735581	7196065	1365726	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,35	down
5783368	7196065	1365719	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,21	down
5785121	7196065	1365725	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,43	up
5841477	7196065	1365724	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,20	down
5877766	7196065	1365726	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,56	down
5919243	7196065	1365716	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,04	down
5953402	7196065	1365720	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,06	down
6035748	7196065	1365718	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,19	up
6284469	7196065	1365717	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,26	down
6365549	7196065	1365714	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,04	up
6409984	7196065	1365722	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,03	down

6491999	7196065	1365721	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,22	up
6553649	7196065	1365723	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,22	down
6641760	7196065	1365715	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,09	up
6741939	7196065	1365713	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,16	up
5809474	7070338	1056986	chemokine (C-C motif) ligand 2	Ccl2	24770	1,24	up
5827720	7070338	1056985	chemokine (C-C motif) ligand 2	Ccl2	24770	4,75	down
5878091	7070338	1056988	chemokine (C-C motif) ligand 2	Ccl2	24770	2,01	up
5921871	7070338	1056987	chemokine (C-C motif) ligand 2	Ccl2	24770	2,10	up
6087932	7070338	1056989	chemokine (C-C motif) ligand 2	Ccl2	24770	3,07	down
6643693	7070338	1056988	chemokine (C-C motif) ligand 2	Ccl2	24770	1,26	down
5625408	7356847	1761784	chemokine (C-C motif) ligand 20	Ccl20	29538	1,06	up
6236483	7356847	1761782	chemokine (C-C motif) ligand 20	Ccl20	29538	2,05	up
6368153	7356847	1761781	chemokine (C-C motif) ligand 20	Ccl20	29538	3,42	down
6656884	7356847	1761781	chemokine (C-C motif) ligand 20	Ccl20	29538	2,25	down
6700626	7356847	1761783	chemokine (C-C motif) ligand 20	Ccl20	29538	1,88	up
5839092	7190089	1350004	chemokine (C-C motif) ligand 28	Ccl28	114492	1,02	down
6026223	7190089	1350002	chemokine (C-C motif) ligand 28	Ccl28	114492	1,32	down
6178204	7190089	1350004	chemokine (C-C motif) ligand 28	Ccl28	114492	1,13	down
6239646	7190089	1350003	chemokine (C-C motif) ligand 28	Ccl28	114492	1,00	up
6334854	7190089	1350002	chemokine (C-C motif) ligand 28	Ccl28	114492	1,03	down
6342353	7190089	1350004	chemokine (C-C motif) ligand 28	Ccl28	114492	2,05	up
6410686	7190089	1350004	chemokine (C-C motif) ligand 28	Ccl28	114492	1,00	down
6697224	7190089	1350004	chemokine (C-C motif) ligand 28	Ccl28	114492	1,07	down
5840029	7080732	1080987	chemokine (C-C motif) ligand 5	Ccl5	81780	6,71	down
5938690	7080732	1080984	chemokine (C-C motif) ligand 5	Ccl5	81780	1,29	up
6195065	7080732	1080985	chemokine (C-C motif) ligand 5	Ccl5	81780	4,79	up
6234530	7080732	1080986	chemokine (C-C motif) ligand 5	Ccl5	81780	1,81	down
6557841	7080732	1080985	chemokine (C-C motif) ligand 5	Ccl5	81780	2,45	down
5631231	7116933	1169533	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,07	down
5701565	7116933	1169532	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	4,74	down
5780587	7116933	1169534	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,23	down
6284588	7116933	1169532	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	11,04	down
6325647	7116933	1169535	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,50	up
6433818	7116933	1169535	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,66	up
6531806	7116933	1169536	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,61	down
5633763	7116931	1169527	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	1,53	up
5651799	7116931	1169530	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	3,91	down
6128487	7116931	1169528	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	1,32	up
6503672	7116931	1169529	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	1,02	up
5689139	7079368	1078074	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	2,89	down
5839731	7079368	1078070	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,05	down
5899586	7079368	1078073	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,19	up
6390188	7079368	1078071	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,10	down
6569082	7079368	1078070	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,06	down
6588716	7079368	1078072	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,08	up
5754679	7116938	1169544	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	3,28	up
5856721	7116938	1169545	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	1,25	down
6062432	7116938	1169542	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	1,23	down
6384458	7116938	1169543	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	3,09	down
6500752	7116938	1169546	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	1,67	up
6500964	7116938	1169541	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	29,27	down
6593607	7116938	1169546	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	2,91	up
5648930	7058813	1028897	chitinase domain containing 1	Chid1	293628	1,21	down
5825112	7058813	1028911	chitinase domain containing 1	Chid1	293628	2,15	up
5849019	7058813	1028909	chitinase domain containing 1	Chid1	293628	1,10	up
5877656	7058813	1028894	chitinase domain containing 1	Chid1	293628	1,04	up

5914481	7058813	1028907	chitinase domain containing 1	Chid1	293628	1,01	up
5994978	7058813	1028895	chitinase domain containing 1	Chid1	293628	1,18	up
6046017	7058813	1028910	chitinase domain containing 1	Chid1	293628	1,06	down
6199968	7058813	1028903	chitinase domain containing 1	Chid1	293628	1,01	up
6201404	7058813	1028896	chitinase domain containing 1	Chid1	293628	1,17	down
6285387	7058813	1028914	chitinase domain containing 1	Chid1	293628	1,09	down
6308783	7058813	1028904	chitinase domain containing 1	Chid1	293628	1,53	down
6376646	7058813	1028913	chitinase domain containing 1	Chid1	293628	1,07	down
6689573	7058813	1028915	chitinase domain containing 1	Chid1	293628	1,04	down
6737825	7058813	1028916	chitinase domain containing 1	Chid1	293628	1,07	up
5743778	7344093	1730348	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,43	down
5753726	7344093	1730341	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,23	down
5797227	7344093	1730349	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,17	down
5947504	7344093	1730342	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,36	down
5960887	7344093	1730351	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	2,11	up
6012187	7344093	1730350	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,11	up
6137001	7344093	1730344	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,29	down
6138195	7344093	1730343	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,03	up
6149664	7344093	1730346	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,24	up
6198329	7344093	1730347	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,15	up
6251914	7344093	1730349	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,03	up
6344066	7344093	1730345	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,75	down
6355854	7344093	1730341	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,51	up
6396448	7344093	1730351	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,15	up
6628688	7344093	1730352	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,01	up
6675234	7344093	1730345	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,24	up
5673107	7089599	1102636	chloride channel 2	Clcn2	29232	1,05	down
5708693	7089599	1102646	chloride channel 2	Clcn2	29232	1,46	down
5769718	7089599	1102649	chloride channel 2	Clcn2	29232	1,37	down
5801180	7089599	1102634	chloride channel 2	Clcn2	29232	1,07	up
5803830	7089599	1102626	chloride channel 2	Clcn2	29232	1,00	up
5811279	7089599	1102640	chloride channel 2	Clcn2	29232	1,81	down
5816490	7089599	1102630	chloride channel 2	Clcn2	29232	1,82	up
5822067	7089599	1102632	chloride channel 2	Clcn2	29232	1,04	up
5869518	7089599	1102647	chloride channel 2	Clcn2	29232	1,44	down
5879438	7089599	1102633	chloride channel 2	Clcn2	29232	1,07	up
5954115	7089599	1102635	chloride channel 2	Clcn2	29232	1,28	down
5988353	7089599	1102638	chloride channel 2	Clcn2	29232	1,29	down
6000861	7089599	1102645	chloride channel 2	Clcn2	29232	1,20	up
6001340	7089599	1102631	chloride channel 2	Clcn2	29232	1,16	up
6074200	7089599	1102648	chloride channel 2	Clcn2	29232	1,69	down
6177543	7089599	1102640	chloride channel 2	Clcn2	29232	1,28	down
6257098	7089599	1102629	chloride channel 2	Clcn2	29232	1,53	down
6264094	7089599	1102637	chloride channel 2	Clcn2	29232	1,26	down
6281351	7089599	1102627	chloride channel 2	Clcn2	29232	1,08	down
6298597	7089599	1102639	chloride channel 2	Clcn2	29232	2,16	down
6374150	7089599	1102642	chloride channel 2	Clcn2	29232	1,24	up
6447990	7089599	1102626	chloride channel 2	Clcn2	29232	1,13	up
6542376	7089599	1102643	chloride channel 2	Clcn2	29232	1,07	down
6555348	7089599	1102628	chloride channel 2	Clcn2	29232	1,04	down
6561781	7089599	1102641	chloride channel 2	Clcn2	29232	1,70	down
6681101	7089599	1102644	chloride channel 2	Clcn2	29232	1,09	up
5626501	7374466	1807862	chloride channel 4-2	Clcn4-2	60586	1,24	down
5731469	7374466	1807861	chloride channel 4-2	Clcn4-2	60586	1,04	down
5762436	7374466	1807859	chloride channel 4-2	Clcn4-2	60586	1,13	down
5861755	7374466	1807867	chloride channel 4-2	Clcn4-2	60586	1,13	down

5902106	7374466	1807858	chloride channel 4-2	Clcn4-2	60586	1,32	down
5904792	7374466	1807864	chloride channel 4-2	Clcn4-2	60586	1,04	down
5984739	7374466	1807855	chloride channel 4-2	Clcn4-2	60586	1,13	down
6017165	7374466	1807862	chloride channel 4-2	Clcn4-2	60586	1,02	up
6035395	7374466	1807854	chloride channel 4-2	Clcn4-2	60586	1,35	up
6124188	7374466	1807866	chloride channel 4-2	Clcn4-2	60586	1,34	up
6142951	7374466	1807853	chloride channel 4-2	Clcn4-2	60586	1,24	up
6195624	7374466	1807860	chloride channel 4-2	Clcn4-2	60586	2,14	up
6254459	7374466	1807865	chloride channel 4-2	Clcn4-2	60586	1,01	down
6297781	7374466	1807862	chloride channel 4-2	Clcn4-2	60586	1,08	up
6607364	7374466	1807857	chloride channel 4-2	Clcn4-2	60586	1,04	up
6662314	7374466	1807856	chloride channel 4-2	Clcn4-2	60586	1,25	up
6704692	7374466	1807863	chloride channel 4-2	Clcn4-2	60586	1,06	down
5652345	7215277	1411034	chloride channel, calcium activated, family member 4	Clca4	362053	1,16	down
5652813	7215277	1411044	chloride channel, calcium activated, family member 4	Clca4	362053	1,21	down
5703047	7215277	1411048	chloride channel, calcium activated, family member 4	Clca4	362053	1,53	up
5709539	7215277	1411036	chloride channel, calcium activated, family member 4	Clca4	362053	1,26	down
5723134	7215277	1411048	chloride channel, calcium activated, family member 4	Clca4	362053	1,48	down
5729170	7215277	1411039	chloride channel, calcium activated, family member 4	Clca4	362053	1,00	down
5757242	7215277	1411045	chloride channel, calcium activated, family member 4	Clca4	362053	1,05	down
5806844	7215277	1411040	chloride channel, calcium activated, family member 4	Clca4	362053	1,00	up
5854867	7215277	1411043	chloride channel, calcium activated, family member 4	Clca4	362053	1,03	up
5855637	7215277	1411041	chloride channel, calcium activated, family member 4	Clca4	362053	2,20	down
5909468	7215277	1411046	chloride channel, calcium activated, family member 4	Clca4	362053	1,07	down
5939845	7215277	1411047	chloride channel, calcium activated, family member 4	Clca4	362053	1,36	up
6049311	7215277	1411034	chloride channel, calcium activated, family member 4	Clca4	362053	1,00	up
6459667	7215277	1411042	chloride channel, calcium activated, family member 4	Clca4	362053	1,15	down
6559119	7215277	1411035	chloride channel, calcium activated, family member 4	Clca4	362053	1,23	down
6618166	7215277	1411045	chloride channel, calcium activated, family member 4	Clca4	362053	1,07	down
6635081	7215277	1411050	chloride channel, calcium activated, family member 4	Clca4	362053	1,04	down
6652703	7215277	1411049	chloride channel, calcium activated, family member 4	Clca4	362053	1,31	down
6661872	7215277	1411038	chloride channel, calcium activated, family member 4	Clca4	362053	1,61	down
6717457	7215277	1411037	chloride channel, calcium activated, family member 4	Clca4	362053	1,00	up
6721031	7215277	1411034	chloride channel, calcium activated, family member 4	Clca4	362053	1,04	up
5622768	7038898	982841	choline kinase alpha	Chka	29194	1,74	down
5636276	7038898	982845	choline kinase alpha	Chka	29194	1,15	up
5642058	7038898	982851	choline kinase alpha	Chka	29194	1,01	down
5659883	7038898	982850	choline kinase alpha	Chka	29194	1,25	down
5707539	7038898	982846	choline kinase alpha	Chka	29194	1,11	up
5788787	7038898	982853	choline kinase alpha	Chka	29194	1,14	up
5790433	7038898	982843	choline kinase alpha	Chka	29194	1,14	up
5805380	7038898	982842	choline kinase alpha	Chka	29194	1,21	up
5846602	7038898	982853	choline kinase alpha	Chka	29194	1,36	up
5861363	7038898	982842	choline kinase alpha	Chka	29194	1,33	down
5947197	7038898	982842	choline kinase alpha	Chka	29194	1,13	down
6370448	7038898	982849	choline kinase alpha	Chka	29194	1,05	up
6453248	7038898	982842	choline kinase alpha	Chka	29194	2,50	down
6494864	7038898	982844	choline kinase alpha	Chka	29194	1,28	up
6518452	7038898	982847	choline kinase alpha	Chka	29194	1,14	up
6572644	7038898	982852	choline kinase alpha	Chka	29194	1,14	down
6683490	7038898	982848	choline kinase alpha	Chka	29194	1,58	up
6702682	7038898	982842	choline kinase alpha	Chka	29194	1,83	down
5911377	7357164	1762578	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,07	down
5941507	7357164	1762587	cholinergic receptor, nicotinic, gamma	Chrng	25753	2,09	down
6036845	7357164	1762581	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,30	up
6068103	7357164	1762586	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,51	down

6078796	7357164	1762585	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,12	up
6100783	7357164	1762582	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,02	up
6192889	7357164	1762579	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,35	down
6358919	7357164	1762589	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,04	up
6435873	7357164	1762578	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,01	down
6454009	7357164	1762581	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,02	down
6470382	7357164	1762586	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,02	up
6491476	7357164	1762588	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,18	down
6520592	7357164	1762584	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,50	down
6541940	7357164	1762580	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,02	up
6616530	7357164	1762587	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,07	up
6679594	7357164	1762590	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,14	down
6679890	7357164	1762589	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,02	down
6741031	7357164	1762583	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,00	up
5729838	7340657	1721629	chondroitin sulfate proteoglycan 5	Cspg5	50568	2,02	down
5791488	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,06	up
6069931	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,26	down
6083079	7340657	1721630	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,13	down
6201550	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,16	down
6426333	7340657	1721631	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,24	up
6428048	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,68	down
6443830	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	2,07	down
6467330	7340657	1721632	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,36	up
6532391	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,27	down
6655286	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,07	up
6699732	7340657	1721630	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,50	up
6707606	7340657	1721631	chondroitin sulfate proteoglycan 5	Cspg5	50568	2,07	up
5684603	7095021	1115125	chordin	Chrd	117275	1,97	down
5695811	7095021	1115121	chordin	Chrd	117275	1,01	up
5710283	7095021	1115124	chordin	Chrd	117275	1,05	down
5778022	7095021	1115125	chordin	Chrd	117275	1,24	down
5809786	7095021	1115120	chordin	Chrd	117275	1,24	down
6230338	7095021	1115122	chordin	Chrd	117275	1,40	down
5774628	7086975	1095337	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,32	up
5914303	7086975	1095334	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,03	down
5927154	7086975	1095331	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,12	up
6005754	7086975	1095326	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,00	up
6081691	7086975	1095332	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,21	down
6107506	7086975	1095323	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,07	down
6124285	7086975	1095335	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,29	down
6182217	7086975	1095325	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,16	up
6193350	7086975	1095329	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,50	up
6302026	7086975	1095324	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,16	up
6415331	7086975	1095324	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	2,06	down
6418454	7086975	1095336	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,09	down
6483189	7086975	1095330	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,20	down
6536727	7086975	1095327	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,91	down
6558771	7086975	1095333	chromatin assembly factor 1, subunit B (p60)	Chaf1b	288242	1,19	down
5695469	7171525	1303474	chromatin modifying protein 1B	Chmp1b	689364	1,17	up
6267924	7171525	1303474	chromatin modifying protein 1B	Chmp1b	689364	1,07	up
6302320	7171525	1303474	chromatin modifying protein 1B	Chmp1b	689364	1,11	down
6589323	7171525	1303475	chromatin modifying protein 1B	Chmp1b	689364	1,40	down
5626148	7235503	1462084	chromosome segregation 1-like (S. cerevisiae)	Cse1l	362273	1,13	up
5676614	7235503	1462069	chromosome segregation 1-like (S. cerevisiae)	Cse1l	362273	1,42	down
5700555	7235503	1462077	chromosome segregation 1-like (S. cerevisiae)	Cse1l	362273	1,42	up
5735589	7235503	1462074	chromosome segregation 1-like (S. cerevisiae)	Cse1l	362273	1,18	up

5738805	7235503	1462072	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,34	down
5874126	7235503	1462060	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,17	up
5897291	7235503	1462061	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,04	up
5982444	7235503	1462080	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,10	up
6051331	7235503	1462067	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	2,58	up
6073445	7235503	1462078	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,14	down
6087532	7235503	1462066	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,05	down
6138928	7235503	1462064	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,10	down
6220711	7235503	1462079	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,27	up
6234446	7235503	1462071	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,01	up
6298881	7235503	1462083	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,43	up
6308411	7235503	1462081	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,21	down
6396880	7235503	1462065	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,34	down
6408818	7235503	1462082	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,01	down
6441336	7235503	1462075	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,15	up
6513525	7235503	1462068	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,38	down
6525190	7235503	1462070	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,20	up
6537068	7235503	1462076	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,37	down
6561573	7235503	1462084	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,12	down
6649612	7235503	1462062	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,28	up
6685969	7235503	1462073	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,20	down
6723440	7235503	1462063	chromosome segregation 1-like (<i>S. cerevisiae</i>)	Cse11	362273	1,53	down
5659849	7292517	1602526	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,10	up
5835357	7292517	1602527	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,77	down
5861647	7292517	1602535	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,04	down
5892295	7292517	1602543	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,01	down
5901379	7292517	1602530	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,65	down
5966783	7292517	1602521	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,19	up
6020627	7292517	1602528	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,06	down
6059249	7292517	1602533	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,29	up
6112065	7292517	1602527	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,25	up
6140276	7292517	1602524	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,32	down
6314454	7292517	1602536	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,12	down
6333199	7292517	1602529	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,52	up
6376771	7292517	1602544	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,08	down
6429925	7292517	1602537	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,09	up
6439328	7292517	1602541	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,26	up
6515708	7292517	1602530	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,01	up
6548722	7292517	1602531	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,26	down
6557053	7292517	1602532	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,48	up
6572485	7292517	1602523	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,35	down
6576541	7292517	1602534	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,25	up
6625270	7292517	1602545	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,05	up
6646343	7292517	1602542	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,42	down
6667936	7292517	1602539	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,05	down
6707836	7292517	1602525	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,47	down
5799546	7211363	1402035	cingulin	Cgn	310655	1,33	down
6331522	7211363	1402035	cingulin	Cgn	310655	1,52	up
6694851	7211363	1402035	cingulin	Cgn	310655	1,06	up
6719811	7211363	1402035	cingulin	Cgn	310655	1,04	down
5668677	7347396	1738516	cingulin-like 1	Cgn11	315795	1,01	down
5803889	7347396	1738487	cingulin-like 1	Cgn11	315795	1,02	up
5878828	7347396	1738520	cingulin-like 1	Cgn11	315795	1,15	up
5949689	7347396	1738515	cingulin-like 1	Cgn11	315795	1,60	up
6000921	7347396	1738482	cingulin-like 1	Cgn11	315795	1,17	down
6041249	7347396	1738490	cingulin-like 1	Cgn11	315795	1,20	up

6129740	7347396	1738495	cingulin-like 1	Cgnl1	315795	1,19	up
6235131	7347396	1738513	cingulin-like 1	Cgnl1	315795	1,10	up
6274036	7347396	1738521	cingulin-like 1	Cgnl1	315795	1,46	down
6329734	7347396	1738493	cingulin-like 1	Cgnl1	315795	1,39	up
6383791	7347396	1738484	cingulin-like 1	Cgnl1	315795	2,53	up
6411773	7347396	1738482	cingulin-like 1	Cgnl1	315795	1,01	up
6446765	7347396	1738486	cingulin-like 1	Cgnl1	315795	1,32	down
6485540	7347396	1738482	cingulin-like 1	Cgnl1	315795	1,67	down
6518953	7347396	1738516	cingulin-like 1	Cgnl1	315795	1,40	down
6522523	7347396	1738496	cingulin-like 1	Cgnl1	315795	1,14	down
6537011	7347396	1738482	cingulin-like 1	Cgnl1	315795	1,71	up
6554761	7347396	1738519	cingulin-like 1	Cgnl1	315795	1,03	down
6555588	7347396	1738526	cingulin-like 1	Cgnl1	315795	1,10	down
6571393	7347396	1738492	cingulin-like 1	Cgnl1	315795	1,04	up
6592647	7347396	1738483	cingulin-like 1	Cgnl1	315795	1,10	down
6676178	7347396	1738494	cingulin-like 1	Cgnl1	315795	1,76	up
6679264	7347396	1738517	cingulin-like 1	Cgnl1	315795	1,07	down
5942550	7324337	1682061	citrate synthase	Cs	170587	1,29	up
6022520	7324337	1682062	citrate synthase	Cs	170587	1,18	up
5625459	7102841	1134782	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,51	down
5626301	7102841	1134774	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,21	up
5675034	7102841	1134776	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,61	down
5770060	7102841	1134763	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,13	up
5771965	7102841	1134778	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,34	up
5825908	7102841	1134780	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,21	down
5866008	7102841	1134790	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,13	down
5878387	7102841	1134767	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,11	down
6002201	7102841	1134755	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,05	down
6007210	7102841	1134764	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,32	up
6031543	7102841	1134757	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,16	up
6103827	7102841	1134783	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,17	down
6149858	7102841	1134772	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,14	down
6156667	7102841	1134775	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,16	up
6233020	7102841	1134788	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,15	up
6263483	7102841	1134756	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,57	up
6274070	7102841	1134765	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,00	down
6315078	7102841	1134760	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,36	down
6318520	7102841	1134758	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,14	down
6335389	7102841	1134762	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,46	up
6360158	7102841	1134786	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,30	up
6387796	7102841	1134779	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,13	up
6416053	7102841	1134773	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,07	up
6420472	7102841	1134759	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,10	down
6441615	7102841	1134768	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,54	up
6443796	7102841	1134777	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,08	down
6448592	7102841	1134769	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,09	up
6448908	7102841	1134771	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,57	down
6474038	7102841	1134766	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,36	up
6476052	7102841	1134784	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,85	up
6591380	7102841	1134781	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,57	up
6594810	7102841	1134770	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,71	up
6674335	7102841	1134753	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,19	down
6676765	7102841	1134761	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,10	up
6697970	7102841	1134771	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	3,23	down
6704891	7102841	1134785	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,38	up
6730018	7102841	1134787	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,10	down

6731738	7102841	1134754	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,11	down
6740727	7102841	1134789	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,07	down
5734677	7182324	1331456	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,03	down
5737192	7182324	1331456	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	2,40	down
5880215	7182324	1331462	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,03	up
6014848	7182324	1331459	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,04	up
6015832	7182324	1331461	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,19	down
6050493	7182324	1331463	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,22	down
6195208	7182324	1331457	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,09	down
6646858	7182324	1331457	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,12	up
6677064	7182324	1331456	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,71	down
6681901	7182324	1331460	CKLF-like MARVEL transmembrane domain containing 3	Cmtm3	291813	1,06	up
5642891	7279555	1571960	claspin homolog (Xenopus laevis)	Clspn	298534	1,11	up
5717286	7279555	1571975	claspin homolog (Xenopus laevis)	Clspn	298534	2,50	down
5798633	7279555	1571955	claspin homolog (Xenopus laevis)	Clspn	298534	1,08	up
5816551	7279555	1571974	claspin homolog (Xenopus laevis)	Clspn	298534	1,38	down
5835927	7279555	1571964	claspin homolog (Xenopus laevis)	Clspn	298534	1,24	up
5869050	7279555	1571974	claspin homolog (Xenopus laevis)	Clspn	298534	1,16	down
5879254	7279555	1571959	claspin homolog (Xenopus laevis)	Clspn	298534	1,11	down
5943357	7279555	1571963	claspin homolog (Xenopus laevis)	Clspn	298534	1,06	down
6021023	7279555	1571969	claspin homolog (Xenopus laevis)	Clspn	298534	1,34	down
6025847	7279555	1571947	claspin homolog (Xenopus laevis)	Clspn	298534	1,26	up
6046993	7279555	1571965	claspin homolog (Xenopus laevis)	Clspn	298534	1,14	up
6047412	7279555	1571954	claspin homolog (Xenopus laevis)	Clspn	298534	1,11	down
6067088	7279555	1571966	claspin homolog (Xenopus laevis)	Clspn	298534	1,15	up
6102706	7279555	1571949	claspin homolog (Xenopus laevis)	Clspn	298534	1,02	down
6126810	7279555	1571949	claspin homolog (Xenopus laevis)	Clspn	298534	1,05	up
6136218	7279555	1571958	claspin homolog (Xenopus laevis)	Clspn	298534	1,08	up
6167080	7279555	1571976	claspin homolog (Xenopus laevis)	Clspn	298534	1,67	up
6259742	7279555	1571963	claspin homolog (Xenopus laevis)	Clspn	298534	1,12	down
6301642	7279555	1571962	claspin homolog (Xenopus laevis)	Clspn	298534	1,34	down
6307425	7279555	1571961	claspin homolog (Xenopus laevis)	Clspn	298534	1,52	down
6325094	7279555	1571970	claspin homolog (Xenopus laevis)	Clspn	298534	1,03	down
6360818	7279555	1571948	claspin homolog (Xenopus laevis)	Clspn	298534	1,59	down
6374144	7279555	1571946	claspin homolog (Xenopus laevis)	Clspn	298534	1,04	down
6396493	7279555	1571972	claspin homolog (Xenopus laevis)	Clspn	298534	1,40	down
6419348	7279555	1571957	claspin homolog (Xenopus laevis)	Clspn	298534	1,02	down
6437941	7279555	1571959	claspin homolog (Xenopus laevis)	Clspn	298534	1,07	up
6497955	7279555	1571956	claspin homolog (Xenopus laevis)	Clspn	298534	1,03	up
6561130	7279555	1571971	claspin homolog (Xenopus laevis)	Clspn	298534	1,17	down
6600727	7279555	1571968	claspin homolog (Xenopus laevis)	Clspn	298534	1,18	down
6628181	7279555	1571973	claspin homolog (Xenopus laevis)	Clspn	298534	1,13	up
6735991	7279555	1571967	claspin homolog (Xenopus laevis)	Clspn	298534	1,94	up
5698272	7146166	1241166	claudin 23	Cldn23	290789	1,07	down
5943707	7146166	1241166	claudin 23	Cldn23	290789	1,24	down
5958595	7146166	1241167	claudin 23	Cldn23	290789	1,14	up
5973584	7146166	1241166	claudin 23	Cldn23	290789	1,20	up
6024225	7146166	1241166	claudin 23	Cldn23	290789	1,44	down
6103451	7146166	1241166	claudin 23	Cldn23	290789	2,38	down
6243606	7146166	1241166	claudin 23	Cldn23	290789	1,08	down
5781789	7065357	1044743	claudin 6	Cldn6	287098	1,12	up
6281573	7065357	1044742	claudin 6	Cldn6	287098	2,43	up
5673717	7232438	1453833	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,26	up
5797460	7232438	1453838	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,09	down
5856009	7232438	1453827	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,15	down
5872807	7232438	1453835	c-mer proto-oncogene tyrosine kinase	Mertk	65037	2,87	up

6019240	7232438	1453832	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,28	up
6048863	7232438	1453826	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,30	down
6054021	7232438	1453842	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,23	up
6070912	7232438	1453839	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,21	up
6181307	7232438	1453837	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,03	down
6185525	7232438	1453826	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,85	up
6201762	7232438	1453834	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,61	down
6217164	7232438	1453836	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,04	down
6340605	7232438	1453843	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,93	up
6373052	7232438	1453830	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,01	down
6384308	7232438	1453841	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,21	down
6438120	7232438	1453829	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,01	down
6491177	7232438	1453828	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,14	down
6511534	7232438	1453831	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,03	up
6577201	7232438	1453827	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,29	down
6637769	7232438	1453825	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,03	up
6733148	7232438	1453840	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,12	up
5639163	7045969	1000820	Cnksr family member 3	Cnksr3	308113	1,24	up
5651708	7045969	1000815	Cnksr family member 3	Cnksr3	308113	1,06	up
5660297	7045969	1000818	Cnksr family member 3	Cnksr3	308113	4,08	down
5682846	7045969	1000814	Cnksr family member 3	Cnksr3	308113	1,33	down
5712743	7045969	1000821	Cnksr family member 3	Cnksr3	308113	1,51	up
5911839	7045969	1000815	Cnksr family member 3	Cnksr3	308113	1,23	down
5948580	7045969	1000814	Cnksr family member 3	Cnksr3	308113	1,15	up
5978456	7045969	1000814	Cnksr family member 3	Cnksr3	308113	1,38	up
5999553	7045969	1000824	Cnksr family member 3	Cnksr3	308113	1,97	up
6029543	7045969	1000817	Cnksr family member 3	Cnksr3	308113	1,53	up
6039562	7045969	1000815	Cnksr family member 3	Cnksr3	308113	1,72	down
6064549	7045969	1000822	Cnksr family member 3	Cnksr3	308113	1,18	up
6146931	7045969	1000816	Cnksr family member 3	Cnksr3	308113	2,28	down
6291698	7045969	1000826	Cnksr family member 3	Cnksr3	308113	1,05	down
6297040	7045969	1000814	Cnksr family member 3	Cnksr3	308113	2,11	down
6460948	7045969	1000825	Cnksr family member 3	Cnksr3	308113	1,40	up
6498962	7045969	1000819	Cnksr family member 3	Cnksr3	308113	1,09	up
6518141	7045969	1000823	Cnksr family member 3	Cnksr3	308113	1,10	down
6586857	7045969	1000818	Cnksr family member 3	Cnksr3	308113	2,22	down
6681465	7045969	1000816	Cnksr family member 3	Cnksr3	308113	1,02	up
5647390	7167700	1293596	coagulation factor VIII, procoagulant component	F8	302470	2,07	down
5659223	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,07	down
5661114	7167700	1293598	coagulation factor VIII, procoagulant component	F8	302470	1,04	up
5694102	7167700	1293609	coagulation factor VIII, procoagulant component	F8	302470	1,68	up
5705127	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,38	down
5707144	7167700	1293617	coagulation factor VIII, procoagulant component	F8	302470	1,20	up
5720970	7167700	1293592	coagulation factor VIII, procoagulant component	F8	302470	1,08	down
5729005	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,49	up
5814124	7167700	1293616	coagulation factor VIII, procoagulant component	F8	302470	1,18	up
5823923	7167700	1293594	coagulation factor VIII, procoagulant component	F8	302470	1,26	up
5828649	7167700	1293610	coagulation factor VIII, procoagulant component	F8	302470	1,10	down
5846618	7167700	1293614	coagulation factor VIII, procoagulant component	F8	302470	1,20	down
5857873	7167700	1293599	coagulation factor VIII, procoagulant component	F8	302470	1,22	up
5885476	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,21	up
5917742	7167700	1293608	coagulation factor VIII, procoagulant component	F8	302470	1,94	down
5934716	7167700	1293593	coagulation factor VIII, procoagulant component	F8	302470	1,19	down
5959906	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,46	up
5963818	7167700	1293619	coagulation factor VIII, procoagulant component	F8	302470	1,08	down
5972659	7167700	1293616	coagulation factor VIII, procoagulant component	F8	302470	1,00	up

6006381	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,23	up
6045915	7167700	1293613	coagulation factor VIII, procoagulant component	F8	302470	1,05	up
6089736	7167700	1293597	coagulation factor VIII, procoagulant component	F8	302470	2,01	up
6115704	7167700	1293600	coagulation factor VIII, procoagulant component	F8	302470	1,00	down
6123930	7167700	1293595	coagulation factor VIII, procoagulant component	F8	302470	1,20	down
6132513	7167700	1293598	coagulation factor VIII, procoagulant component	F8	302470	1,11	up
6133518	7167700	1293612	coagulation factor VIII, procoagulant component	F8	302470	1,50	down
6146326	7167700	1293609	coagulation factor VIII, procoagulant component	F8	302470	1,03	up
6153048	7167700	1293596	coagulation factor VIII, procoagulant component	F8	302470	1,02	down
6161399	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,09	down
6182905	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,16	up
6193128	7167700	1293616	coagulation factor VIII, procoagulant component	F8	302470	1,08	up
6207162	7167700	1293606	coagulation factor VIII, procoagulant component	F8	302470	1,09	up
6231461	7167700	1293611	coagulation factor VIII, procoagulant component	F8	302470	1,12	down
6247403	7167700	1293607	coagulation factor VIII, procoagulant component	F8	302470	1,27	up
6255430	7167700	1293592	coagulation factor VIII, procoagulant component	F8	302470	1,05	down
6258792	7167700	1293593	coagulation factor VIII, procoagulant component	F8	302470	1,07	down
6258969	7167700	1293618	coagulation factor VIII, procoagulant component	F8	302470	1,19	down
6296549	7167700	1293608	coagulation factor VIII, procoagulant component	F8	302470	1,00	down
6308684	7167700	1293603	coagulation factor VIII, procoagulant component	F8	302470	1,03	down
6366714	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,12	up
6368329	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,21	up
6442559	7167700	1293597	coagulation factor VIII, procoagulant component	F8	302470	1,05	down
6450091	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,69	down
6451701	7167700	1293596	coagulation factor VIII, procoagulant component	F8	302470	1,08	down
6479765	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,68	up
6571549	7167700	1293592	coagulation factor VIII, procoagulant component	F8	302470	1,15	up
6585775	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,26	down
6641811	7167700	1293615	coagulation factor VIII, procoagulant component	F8	302470	1,18	up
6713645	7167700	1293606	coagulation factor VIII, procoagulant component	F8	302470	1,09	up
6728029	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,08	down
6734642	7167700	1293597	coagulation factor VIII, procoagulant component	F8	302470	1,47	up
6737400	7167700	1293594	coagulation factor VIII, procoagulant component	F8	302470	1,45	up
6742748	7167700	1293601	coagulation factor VIII, procoagulant component	F8	302470	1,37	down
5626989	7155531	1264509	coagulation factor XII (Hageman factor)	F12	306761	1,12	down
5690230	7155531	1264520	coagulation factor XII (Hageman factor)	F12	306761	1,30	up
5717682	7155531	1264508	coagulation factor XII (Hageman factor)	F12	306761	1,12	down
5802152	7155531	1264507	coagulation factor XII (Hageman factor)	F12	306761	1,10	up
5922060	7155531	1264508	coagulation factor XII (Hageman factor)	F12	306761	1,25	up
5948808	7155531	1264518	coagulation factor XII (Hageman factor)	F12	306761	2,14	down
6016706	7155531	1264515	coagulation factor XII (Hageman factor)	F12	306761	1,21	up
6038678	7155531	1264511	coagulation factor XII (Hageman factor)	F12	306761	1,25	down
6130517	7155531	1264513	coagulation factor XII (Hageman factor)	F12	306761	1,33	down
6130715	7155531	1264519	coagulation factor XII (Hageman factor)	F12	306761	1,41	down
6175011	7155531	1264510	coagulation factor XII (Hageman factor)	F12	306761	1,33	up
6225632	7155531	1264506	coagulation factor XII (Hageman factor)	F12	306761	1,75	down
6395030	7155531	1264517	coagulation factor XII (Hageman factor)	F12	306761	1,08	down
6435846	7155531	1264514	coagulation factor XII (Hageman factor)	F12	306761	1,14	up
6467779	7155531	1264506	coagulation factor XII (Hageman factor)	F12	306761	1,53	up
6600942	7155531	1264516	coagulation factor XII (Hageman factor)	F12	306761	1,24	up
6690527	7155531	1264516	coagulation factor XII (Hageman factor)	F12	306761	1,11	down
6706960	7155531	1264512	coagulation factor XII (Hageman factor)	F12	306761	1,07	down
5664636	7284380	1583483	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	1,02	up
5779303	7284380	1583485	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	1,78	down
5811886	7284380	1583484	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	2,05	up
5930466	7284380	1583482	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	1,02	up

6070269	7284380	1583480	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	1,05	down
6077791	7284380	1583483	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	1,27	down
6385506	7284380	1583481	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	1,01	up
6476504	7284380	1583480	coenzyme Q3 homolog, methyltransferase (<i>S. cerevisiae</i>)	Coq3	29309	1,16	down
5691761	7179870	1324640	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,51	down
5706018	7179870	1324650	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,02	down
5722739	7179870	1324644	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,12	down
5730213	7179870	1324641	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,10	down
5739347	7179870	1324643	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	2,05	up
5805675	7179870	1324633	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,01	up
5881509	7179870	1324632	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,13	up
5910607	7179870	1324655	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,17	up
5921915	7179870	1324634	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,13	up
5930250	7179870	1324636	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,17	down
5979388	7179870	1324653	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,02	up
6014020	7179870	1324651	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,12	down
6020834	7179870	1324637	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,01	down
6028636	7179870	1324635	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,01	down
6097905	7179870	1324630	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,04	up
6122932	7179870	1324638	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,17	down
6150849	7179870	1324631	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,12	up
6176685	7179870	1324657	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,20	down
6190333	7179870	1324647	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,22	down
6225823	7179870	1324639	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,07	down
6271141	7179870	1324648	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,36	down
6317183	7179870	1324656	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,13	down
6397660	7179870	1324654	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,36	up
6459024	7179870	1324642	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,17	down
6459779	7179870	1324635	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,01	down
6469708	7179870	1324634	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,09	up
6498782	7179870	1324646	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,03	down
6537597	7179870	1324631	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,03	up
6597615	7179870	1324649	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,69	down
6706715	7179870	1324652	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,17	up
6725250	7179870	1324645	coiled-coil and C2 domain containing 1A	Ce2d1a	288908	1,18	up
5630429	7188909	1346798	coiled-coil domain containing 125	Ccdc125	499518	1,16	down
5735793	7188909	1346801	coiled-coil domain containing 125	Ccdc125	499518	2,21	down
5745817	7188909	1346812	coiled-coil domain containing 125	Ccdc125	499518	1,08	up
5759073	7188909	1346799	coiled-coil domain containing 125	Ccdc125	499518	1,47	up
5838751	7188909	1346804	coiled-coil domain containing 125	Ccdc125	499518	1,15	up
5963998	7188909	1346798	coiled-coil domain containing 125	Ccdc125	499518	1,08	up
6026515	7188909	1346798	coiled-coil domain containing 125	Ccdc125	499518	1,10	down
6294785	7188909	1346809	coiled-coil domain containing 125	Ccdc125	499518	1,10	down
6303625	7188909	1346808	coiled-coil domain containing 125	Ccdc125	499518	1,01	down
6442056	7188909	1346811	coiled-coil domain containing 125	Ccdc125	499518	1,49	down
6588188	7188909	1346812	coiled-coil domain containing 125	Ccdc125	499518	1,02	up
6650330	7188909	1346806	coiled-coil domain containing 125	Ccdc125	499518	1,11	up
6667899	7188909	1346803	coiled-coil domain containing 125	Ccdc125	499518	1,18	up
6680016	7188909	1346801	coiled-coil domain containing 125	Ccdc125	499518	1,03	down
5801792	7254088	1507735	coiled-coil domain containing 129	Ccdc129	500139	1,04	up
6155414	7254088	1507750	coiled-coil domain containing 129	Ccdc129	500139	1,21	down
6202274	7254088	1507747	coiled-coil domain containing 129	Ccdc129	500139	1,08	down
6242741	7254088	1507734	coiled-coil domain containing 129	Ccdc129	500139	1,05	down
6256195	7254088	1507738	coiled-coil domain containing 129	Ccdc129	500139	1,00	down
6401653	7254088	1507736	coiled-coil domain containing 129	Ccdc129	500139	1,04	down
6430668	7254088	1507749	coiled-coil domain containing 129	Ccdc129	500139	1,33	up

6512180	7254088	1507750	coiled-coil domain containing 129	Ccdc129	500139	1,68	up
6585919	7254088	1507747	coiled-coil domain containing 129	Ccdc129	500139	1,14	down
6588711	7254088	1507747	coiled-coil domain containing 129	Ccdc129	500139	1,02	down
6711695	7254088	1507750	coiled-coil domain containing 129	Ccdc129	500139	2,22	up
6736703	7254088	1507748	coiled-coil domain containing 129	Ccdc129	500139	1,00	up
5675738	7319219	1670298	coiled-coil domain containing 134	Ccdc134	500909	1,18	up
5887684	7319219	1670302	coiled-coil domain containing 134	Ccdc134	500909	1,20	down
5949010	7319219	1670303	coiled-coil domain containing 134	Ccdc134	500909	1,59	up
6034779	7319219	1670300	coiled-coil domain containing 134	Ccdc134	500909	1,24	up
6125673	7319219	1670297	coiled-coil domain containing 134	Ccdc134	500909	1,20	down
6249333	7319219	1670301	coiled-coil domain containing 134	Ccdc134	500909	1,03	down
6437372	7319219	1670302	coiled-coil domain containing 134	Ccdc134	500909	2,00	down
6464633	7319219	1670296	coiled-coil domain containing 134	Ccdc134	500909	1,05	up
6601721	7319219	1670299	coiled-coil domain containing 134	Ccdc134	500909	1,01	down
5879549	7344190	1730601	coiled-coil domain containing 15	Ccdc15	367056	1,13	up
6023189	7344190	1730602	coiled-coil domain containing 15	Ccdc15	367056	1,20	down
6027868	7344190	1730616	coiled-coil domain containing 15	Ccdc15	367056	2,07	down
6041264	7344190	1730608	coiled-coil domain containing 15	Ccdc15	367056	1,00	down
6199212	7344190	1730610	coiled-coil domain containing 15	Ccdc15	367056	1,26	down
6286596	7344190	1730606	coiled-coil domain containing 15	Ccdc15	367056	1,01	up
6539530	7344190	1730610	coiled-coil domain containing 15	Ccdc15	367056	1,04	down
6679556	7344190	1730617	coiled-coil domain containing 15	Ccdc15	367056	1,14	up
6682721	7344190	1730599	coiled-coil domain containing 15	Ccdc15	367056	1,19	up
6705368	7344190	1730615	coiled-coil domain containing 15	Ccdc15	367056	1,46	up
6745691	7344190	1730609	coiled-coil domain containing 15	Ccdc15	367056	1,26	down
5669884	7335447	1708166	coiled-coil domain containing 153	Ccdc153	300663	1,17	down
5692749	7335447	1708161	coiled-coil domain containing 153	Ccdc153	300663	1,43	down
5995100	7335447	1708168	coiled-coil domain containing 153	Ccdc153	300663	1,37	down
6212839	7335447	1708167	coiled-coil domain containing 153	Ccdc153	300663	1,01	up
6429575	7335447	1708167	coiled-coil domain containing 153	Ccdc153	300663	1,08	down
6454907	7335447	1708162	coiled-coil domain containing 153	Ccdc153	300663	2,09	up
6498190	7335447	1708163	coiled-coil domain containing 153	Ccdc153	300663	1,10	up
6576526	7335447	1708165	coiled-coil domain containing 153	Ccdc153	300663	1,11	up
6667007	7335447	1708164	coiled-coil domain containing 153	Ccdc153	300663	1,10	up
5619165	7373732	1805974	coiled-coil domain containing 22	Ccdc22	317381	1,30	up
5625516	7373732	1805968	coiled-coil domain containing 22	Ccdc22	317381	1,30	up
5981312	7373732	1805979	coiled-coil domain containing 22	Ccdc22	317381	1,01	up
5982305	7373732	1805969	coiled-coil domain containing 22	Ccdc22	317381	1,10	down
6014062	7373732	1805970	coiled-coil domain containing 22	Ccdc22	317381	1,25	down
6052550	7373732	1805977	coiled-coil domain containing 22	Ccdc22	317381	1,16	up
6241960	7373732	1805980	coiled-coil domain containing 22	Ccdc22	317381	1,35	down
6250180	7373732	1805973	coiled-coil domain containing 22	Ccdc22	317381	1,72	down
6276598	7373732	1805976	coiled-coil domain containing 22	Ccdc22	317381	1,23	up
6371239	7373732	1805978	coiled-coil domain containing 22	Ccdc22	317381	1,48	up
6404615	7373732	1805966	coiled-coil domain containing 22	Ccdc22	317381	1,03	up
6460708	7373732	1805975	coiled-coil domain containing 22	Ccdc22	317381	1,44	up
6464033	7373732	1805965	coiled-coil domain containing 22	Ccdc22	317381	1,07	up
6468018	7373732	1805969	coiled-coil domain containing 22	Ccdc22	317381	1,20	up
6477660	7373732	1805971	coiled-coil domain containing 22	Ccdc22	317381	1,81	down
6479885	7373732	1805974	coiled-coil domain containing 22	Ccdc22	317381	1,07	up
6525181	7373732	1805974	coiled-coil domain containing 22	Ccdc22	317381	1,04	up
6625590	7373732	1805980	coiled-coil domain containing 22	Ccdc22	317381	2,58	down
6672073	7373732	1805969	coiled-coil domain containing 22	Ccdc22	317381	1,27	down
5683092	7313913	1656888	coiled-coil domain containing 41	Ccdc41	366872	1,09	up
5737372	7313913	1656884	coiled-coil domain containing 41	Ccdc41	366872	1,21	up
5819212	7313913	1656895	coiled-coil domain containing 41	Ccdc41	366872	1,23	down

5852812	7313913	1656895	coiled-coil domain containing 41	Ccdc41	366872	1,33	down
5876490	7313913	1656886	coiled-coil domain containing 41	Ccdc41	366872	2,59	up
5916266	7313913	1656892	coiled-coil domain containing 41	Ccdc41	366872	1,64	down
5977325	7313913	1656887	coiled-coil domain containing 41	Ccdc41	366872	1,42	up
5980948	7313913	1656894	coiled-coil domain containing 41	Ccdc41	366872	1,15	down
6045092	7313913	1656881	coiled-coil domain containing 41	Ccdc41	366872	1,04	up
6173794	7313913	1656883	coiled-coil domain containing 41	Ccdc41	366872	1,35	up
6222089	7313913	1656893	coiled-coil domain containing 41	Ccdc41	366872	1,17	up
6292058	7313913	1656880	coiled-coil domain containing 41	Ccdc41	366872	1,66	up
6347034	7313913	1656889	coiled-coil domain containing 41	Ccdc41	366872	2,55	down
6412129	7313913	1656882	coiled-coil domain containing 41	Ccdc41	366872	1,65	down
6418011	7313913	1656896	coiled-coil domain containing 41	Ccdc41	366872	1,04	up
6424571	7313913	1656885	coiled-coil domain containing 41	Ccdc41	366872	1,12	down
6429648	7313913	1656891	coiled-coil domain containing 41	Ccdc41	366872	1,60	down
6486802	7313913	1656890	coiled-coil domain containing 41	Ccdc41	366872	1,12	down
6615220	7313913	1656891	coiled-coil domain containing 41	Ccdc41	366872	1,09	up
6718167	7313913	1656885	coiled-coil domain containing 41	Ccdc41	366872	1,33	up
5651472	7098867	1124933	coiled-coil domain containing 64	Ccdc64	304537	1,39	up
6117779	7098867	1124956	coiled-coil domain containing 64	Ccdc64	304537	1,09	up
6316201	7098867	1124933	coiled-coil domain containing 64	Ccdc64	304537	1,66	down
6469336	7098867	1124962	coiled-coil domain containing 64	Ccdc64	304537	1,01	up
6482610	7098867	1124929	coiled-coil domain containing 64	Ccdc64	304537	1,05	down
6490389	7098867	1124962	coiled-coil domain containing 64	Ccdc64	304537	2,86	up
6612899	7098867	1124959	coiled-coil domain containing 64	Ccdc64	304537	1,16	up
6693090	7098867	1124946	coiled-coil domain containing 64	Ccdc64	304537	1,11	up
6746728	7098867	1124946	coiled-coil domain containing 64	Ccdc64	304537	1,21	down
5668858	7059970	1031450	coiled-coil domain containing 88B	Ccdc88b	361715	1,27	up
5825786	7059970	1031442	coiled-coil domain containing 88B	Ccdc88b	361715	1,53	up
5833913	7059970	1031449	coiled-coil domain containing 88B	Ccdc88b	361715	1,17	down
5863635	7059970	1031449	coiled-coil domain containing 88B	Ccdc88b	361715	1,13	down
5896790	7059970	1031444	coiled-coil domain containing 88B	Ccdc88b	361715	1,32	down
6061694	7059970	1031457	coiled-coil domain containing 88B	Ccdc88b	361715	1,19	up
6101582	7059970	1031448	coiled-coil domain containing 88B	Ccdc88b	361715	1,07	up
6158057	7059970	1031446	coiled-coil domain containing 88B	Ccdc88b	361715	1,10	up
6210893	7059970	1031458	coiled-coil domain containing 88B	Ccdc88b	361715	1,18	up
6219779	7059970	1031456	coiled-coil domain containing 88B	Ccdc88b	361715	1,46	up
6222653	7059970	1031442	coiled-coil domain containing 88B	Ccdc88b	361715	1,27	up
6243418	7059970	1031443	coiled-coil domain containing 88B	Ccdc88b	361715	1,05	up
6243610	7059970	1031455	coiled-coil domain containing 88B	Ccdc88b	361715	1,11	up
6305628	7059970	1031442	coiled-coil domain containing 88B	Ccdc88b	361715	1,03	up
6338176	7059970	1031445	coiled-coil domain containing 88B	Ccdc88b	361715	1,22	up
6445726	7059970	1031447	coiled-coil domain containing 88B	Ccdc88b	361715	1,24	down
6483750	7059970	1031444	coiled-coil domain containing 88B	Ccdc88b	361715	1,10	up
6567247	7059970	1031450	coiled-coil domain containing 88B	Ccdc88b	361715	1,17	down
6576816	7059970	1031454	coiled-coil domain containing 88B	Ccdc88b	361715	1,09	down
6633022	7059970	1031452	coiled-coil domain containing 88B	Ccdc88b	361715	2,12	down
6684500	7059970	1031453	coiled-coil domain containing 88B	Ccdc88b	361715	1,13	up
6169425	7156372	1266715	coiled-coil domain containing 90A	Ccdc90a	291034	1,15	down
5755616	7370475	1797140	coiled-coil domain containing 94	Ccdc94	501285	1,44	down
5892274	7370475	1797142	coiled-coil domain containing 94	Ccdc94	501285	1,14	up
5948105	7370475	1797141	coiled-coil domain containing 94	Ccdc94	501285	1,02	up
5999024	7370475	1797144	coiled-coil domain containing 94	Ccdc94	501285	1,31	up
6147010	7370475	1797139	coiled-coil domain containing 94	Ccdc94	501285	1,00	up
6605871	7370475	1797145	coiled-coil domain containing 94	Ccdc94	501285	1,24	down
6685981	7370475	1797143	coiled-coil domain containing 94	Ccdc94	501285	1,46	up
6703717	7370475	1797138	coiled-coil domain containing 94	Ccdc94	501285	1,24	up

5682275	7250799	1499353	collagen, type I, alpha 2	Coll1a2	84352	1,73	down
5717853	7250799	1499382	collagen, type I, alpha 2	Coll1a2	84352	1,21	down
5725857	7250799	1499351	collagen, type I, alpha 2	Coll1a2	84352	1,15	down
5747353	7250799	1499369	collagen, type I, alpha 2	Coll1a2	84352	1,14	up
5754202	7250799	1499359	collagen, type I, alpha 2	Coll1a2	84352	1,08	up
5766976	7250799	1499358	collagen, type I, alpha 2	Coll1a2	84352	1,05	up
5775382	7250799	1499379	collagen, type I, alpha 2	Coll1a2	84352	1,42	down
5781609	7250799	1499396	collagen, type I, alpha 2	Coll1a2	84352	1,19	up
5787650	7250799	1499381	collagen, type I, alpha 2	Coll1a2	84352	1,33	up
5811652	7250799	1499360	collagen, type I, alpha 2	Coll1a2	84352	1,33	down
5816252	7250799	1499397	collagen, type I, alpha 2	Coll1a2	84352	1,02	down
5819417	7250799	1499363	collagen, type I, alpha 2	Coll1a2	84352	1,09	down
5838171	7250799	1499399	collagen, type I, alpha 2	Coll1a2	84352	1,47	up
5853615	7250799	1499385	collagen, type I, alpha 2	Coll1a2	84352	1,00	down
5860390	7250799	1499391	collagen, type I, alpha 2	Coll1a2	84352	1,21	down
5862248	7250799	1499366	collagen, type I, alpha 2	Coll1a2	84352	1,67	up
5873165	7250799	1499354	collagen, type I, alpha 2	Coll1a2	84352	1,15	down
5883516	7250799	1499393	collagen, type I, alpha 2	Coll1a2	84352	1,15	down
5897510	7250799	1499380	collagen, type I, alpha 2	Coll1a2	84352	1,06	down
5902652	7250799	1499387	collagen, type I, alpha 2	Coll1a2	84352	1,18	up
5906365	7250799	1499374	collagen, type I, alpha 2	Coll1a2	84352	1,37	up
5931548	7250799	1499373	collagen, type I, alpha 2	Coll1a2	84352	1,06	up
6001243	7250799	1499392	collagen, type I, alpha 2	Coll1a2	84352	1,16	up
6019598	7250799	1499355	collagen, type I, alpha 2	Coll1a2	84352	1,07	up
6044212	7250799	1499352	collagen, type I, alpha 2	Coll1a2	84352	1,41	up
6084652	7250799	1499389	collagen, type I, alpha 2	Coll1a2	84352	1,07	up
6085464	7250799	1499350	collagen, type I, alpha 2	Coll1a2	84352	1,20	up
6091185	7250799	1499386	collagen, type I, alpha 2	Coll1a2	84352	1,09	up
6102110	7250799	1499368	collagen, type I, alpha 2	Coll1a2	84352	1,08	down
6115516	7250799	1499365	collagen, type I, alpha 2	Coll1a2	84352	1,05	down
6167786	7250799	1499364	collagen, type I, alpha 2	Coll1a2	84352	1,49	down
6184045	7250799	1499357	collagen, type I, alpha 2	Coll1a2	84352	1,23	down
6194897	7250799	1499361	collagen, type I, alpha 2	Coll1a2	84352	1,17	up
6210405	7250799	1499388	collagen, type I, alpha 2	Coll1a2	84352	1,34	down
6219623	7250799	1499375	collagen, type I, alpha 2	Coll1a2	84352	1,15	down
6228974	7250799	1499394	collagen, type I, alpha 2	Coll1a2	84352	2,07	down
6301327	7250799	1499378	collagen, type I, alpha 2	Coll1a2	84352	1,17	down
6351261	7250799	1499376	collagen, type I, alpha 2	Coll1a2	84352	1,14	down
6356820	7250799	1499395	collagen, type I, alpha 2	Coll1a2	84352	1,32	down
6369121	7250799	1499370	collagen, type I, alpha 2	Coll1a2	84352	1,28	up
6387933	7250799	1499383	collagen, type I, alpha 2	Coll1a2	84352	1,11	down
6440601	7250799	1499367	collagen, type I, alpha 2	Coll1a2	84352	1,32	down
6487788	7250799	1499371	collagen, type I, alpha 2	Coll1a2	84352	1,10	up
6525196	7250799	1499349	collagen, type I, alpha 2	Coll1a2	84352	1,16	up
6546386	7250799	1499390	collagen, type I, alpha 2	Coll1a2	84352	1,20	up
6592823	7250799	1499362	collagen, type I, alpha 2	Coll1a2	84352	1,14	up
6610293	7250799	1499372	collagen, type I, alpha 2	Coll1a2	84352	1,46	down
6615333	7250799	1499398	collagen, type I, alpha 2	Coll1a2	84352	1,04	down
6691733	7250799	1499377	collagen, type I, alpha 2	Coll1a2	84352	1,24	up
6695318	7250799	1499384	collagen, type I, alpha 2	Coll1a2	84352	1,04	up
6734970	7250799	1499356	collagen, type I, alpha 2	Coll1a2	84352	1,69	down
5619738	7331446	1699320	collagen, type II, alpha 1	Col2a1	25412	1,27	down
5631499	7331446	1699335	collagen, type II, alpha 1	Col2a1	25412	1,50	up
5639735	7331446	1699330	collagen, type II, alpha 1	Col2a1	25412	1,27	up
5667428	7331446	1699316	collagen, type II, alpha 1	Col2a1	25412	1,09	up
5671297	7331446	1699325	collagen, type II, alpha 1	Col2a1	25412	1,78	up

5679814	7331446	1699317	collagen, type II, alpha 1	Col2a1	25412	1,10	down
5690049	7331446	1699329	collagen, type II, alpha 1	Col2a1	25412	1,11	up
5758459	7331446	1699327	collagen, type II, alpha 1	Col2a1	25412	1,40	down
5777712	7331446	1699326	collagen, type II, alpha 1	Col2a1	25412	1,08	up
5780540	7331446	1699314	collagen, type II, alpha 1	Col2a1	25412	1,59	up
5790345	7331446	1699342	collagen, type II, alpha 1	Col2a1	25412	1,38	down
5795387	7331446	1699313	collagen, type II, alpha 1	Col2a1	25412	1,35	up
5810477	7331446	1699311	collagen, type II, alpha 1	Col2a1	25412	1,50	up
5822897	7331446	1699340	collagen, type II, alpha 1	Col2a1	25412	1,10	down
5828615	7331446	1699318	collagen, type II, alpha 1	Col2a1	25412	1,66	down
5854220	7331446	1699333	collagen, type II, alpha 1	Col2a1	25412	1,16	down
5871070	7331446	1699344	collagen, type II, alpha 1	Col2a1	25412	1,18	up
5927230	7331446	1699321	collagen, type II, alpha 1	Col2a1	25412	1,18	down
5978032	7331446	1699301	collagen, type II, alpha 1	Col2a1	25412	1,42	up
5988224	7331446	1699343	collagen, type II, alpha 1	Col2a1	25412	1,02	up
6008792	7331446	1699332	collagen, type II, alpha 1	Col2a1	25412	1,20	up
6023937	7331446	1699305	collagen, type II, alpha 1	Col2a1	25412	1,05	up
6049346	7331446	1699328	collagen, type II, alpha 1	Col2a1	25412	1,45	down
6076085	7331446	1699303	collagen, type II, alpha 1	Col2a1	25412	1,53	up
6094200	7331446	1699296	collagen, type II, alpha 1	Col2a1	25412	1,33	down
6136224	7331446	1699307	collagen, type II, alpha 1	Col2a1	25412	1,56	up
6151999	7331446	1699310	collagen, type II, alpha 1	Col2a1	25412	1,21	up
6171453	7331446	1699324	collagen, type II, alpha 1	Col2a1	25412	1,15	down
6172040	7331446	1699306	collagen, type II, alpha 1	Col2a1	25412	1,15	down
6173981	7331446	1699308	collagen, type II, alpha 1	Col2a1	25412	1,73	up
6174598	7331446	1699338	collagen, type II, alpha 1	Col2a1	25412	1,54	up
6187179	7331446	1699299	collagen, type II, alpha 1	Col2a1	25412	1,03	down
6210051	7331446	1699348	collagen, type II, alpha 1	Col2a1	25412	1,09	up
6217065	7331446	1699339	collagen, type II, alpha 1	Col2a1	25412	1,05	up
6221205	7331446	1699309	collagen, type II, alpha 1	Col2a1	25412	1,10	down
6239575	7331446	1699336	collagen, type II, alpha 1	Col2a1	25412	1,34	down
6257035	7331446	1699304	collagen, type II, alpha 1	Col2a1	25412	1,26	down
6278238	7331446	1699315	collagen, type II, alpha 1	Col2a1	25412	1,30	up
6295629	7331446	1699319	collagen, type II, alpha 1	Col2a1	25412	1,56	down
6324997	7331446	1699313	collagen, type II, alpha 1	Col2a1	25412	1,57	up
6327101	7331446	1699300	collagen, type II, alpha 1	Col2a1	25412	1,21	down
6382321	7331446	1699297	collagen, type II, alpha 1	Col2a1	25412	1,18	up
6392381	7331446	1699323	collagen, type II, alpha 1	Col2a1	25412	1,14	up
6450578	7331446	1699302	collagen, type II, alpha 1	Col2a1	25412	1,28	down
6482024	7331446	1699312	collagen, type II, alpha 1	Col2a1	25412	1,01	down
6517716	7331446	1699346	collagen, type II, alpha 1	Col2a1	25412	1,36	up
6542787	7331446	1699348	collagen, type II, alpha 1	Col2a1	25412	1,26	up
6566173	7331446	1699334	collagen, type II, alpha 1	Col2a1	25412	1,76	up
6599008	7331446	1699298	collagen, type II, alpha 1	Col2a1	25412	1,29	down
6608512	7331446	1699345	collagen, type II, alpha 1	Col2a1	25412	1,51	down
6625080	7331446	1699341	collagen, type II, alpha 1	Col2a1	25412	1,16	down
6626325	7331446	1699322	collagen, type II, alpha 1	Col2a1	25412	1,21	down
6640310	7331446	1699330	collagen, type II, alpha 1	Col2a1	25412	2,02	up
6649444	7331446	1699337	collagen, type II, alpha 1	Col2a1	25412	1,05	up
6663354	7331446	1699307	collagen, type II, alpha 1	Col2a1	25412	1,06	down
6700077	7331446	1699347	collagen, type II, alpha 1	Col2a1	25412	2,04	down
6703722	7331446	1699296	collagen, type II, alpha 1	Col2a1	25412	1,07	down
6707301	7331446	1699331	collagen, type II, alpha 1	Col2a1	25412	1,06	up
5627936	7354140	1755117	collagen, type III, alpha 1	Col3a1	84032	1,34	up
5670575	7354140	1755126	collagen, type III, alpha 1	Col3a1	84032	1,75	up
5682812	7354140	1755162	collagen, type III, alpha 1	Col3a1	84032	1,24	down

5734306	7354140	1755141	collagen, type III, alpha 1	Col3a1	84032	1,22	down
5757977	7354140	1755159	collagen, type III, alpha 1	Col3a1	84032	1,25	up
5771331	7354140	1755158	collagen, type III, alpha 1	Col3a1	84032	1,02	down
5773172	7354140	1755143	collagen, type III, alpha 1	Col3a1	84032	1,12	down
5813713	7354140	1755146	collagen, type III, alpha 1	Col3a1	84032	1,50	down
5880562	7354140	1755111	collagen, type III, alpha 1	Col3a1	84032	1,07	down
5882583	7354140	1755155	collagen, type III, alpha 1	Col3a1	84032	1,37	down
5888051	7354140	1755128	collagen, type III, alpha 1	Col3a1	84032	1,04	up
5920036	7354140	1755129	collagen, type III, alpha 1	Col3a1	84032	1,21	up
5959081	7354140	1755132	collagen, type III, alpha 1	Col3a1	84032	1,05	up
5967668	7354140	1755131	collagen, type III, alpha 1	Col3a1	84032	1,16	up
5976980	7354140	1755151	collagen, type III, alpha 1	Col3a1	84032	1,18	down
5997036	7354140	1755154	collagen, type III, alpha 1	Col3a1	84032	1,03	down
6006887	7354140	1755127	collagen, type III, alpha 1	Col3a1	84032	1,03	up
6012991	7354140	1755160	collagen, type III, alpha 1	Col3a1	84032	1,51	down
6048275	7354140	1755154	collagen, type III, alpha 1	Col3a1	84032	1,48	down
6075051	7354140	1755145	collagen, type III, alpha 1	Col3a1	84032	1,12	down
6143174	7354140	1755161	collagen, type III, alpha 1	Col3a1	84032	1,17	up
6145126	7354140	1755130	collagen, type III, alpha 1	Col3a1	84032	1,27	up
6146413	7354140	1755150	collagen, type III, alpha 1	Col3a1	84032	1,14	up
6161793	7354140	1755153	collagen, type III, alpha 1	Col3a1	84032	1,19	down
6233178	7354140	1755120	collagen, type III, alpha 1	Col3a1	84032	1,49	down
6241362	7354140	1755116	collagen, type III, alpha 1	Col3a1	84032	1,07	up
6255882	7354140	1755147	collagen, type III, alpha 1	Col3a1	84032	1,70	down
6259096	7354140	1755118	collagen, type III, alpha 1	Col3a1	84032	1,62	down
6311465	7354140	1755152	collagen, type III, alpha 1	Col3a1	84032	1,58	down
6341154	7354140	1755136	collagen, type III, alpha 1	Col3a1	84032	1,52	up
6360335	7354140	1755112	collagen, type III, alpha 1	Col3a1	84032	1,22	down
6372977	7354140	1755149	collagen, type III, alpha 1	Col3a1	84032	1,01	down
6374411	7354140	1755121	collagen, type III, alpha 1	Col3a1	84032	1,63	down
6433701	7354140	1755144	collagen, type III, alpha 1	Col3a1	84032	1,19	up
6444288	7354140	1755138	collagen, type III, alpha 1	Col3a1	84032	1,19	up
6472725	7354140	1755135	collagen, type III, alpha 1	Col3a1	84032	1,30	down
6472751	7354140	1755124	collagen, type III, alpha 1	Col3a1	84032	1,04	up
6482089	7354140	1755122	collagen, type III, alpha 1	Col3a1	84032	1,21	up
6485346	7354140	1755125	collagen, type III, alpha 1	Col3a1	84032	1,18	up
6521992	7354140	1755114	collagen, type III, alpha 1	Col3a1	84032	1,01	up
6544106	7354140	1755115	collagen, type III, alpha 1	Col3a1	84032	2,55	down
6546094	7354140	1755148	collagen, type III, alpha 1	Col3a1	84032	1,06	up
6566101	7354140	1755157	collagen, type III, alpha 1	Col3a1	84032	1,21	down
6601571	7354140	1755163	collagen, type III, alpha 1	Col3a1	84032	1,01	down
6603648	7354140	1755123	collagen, type III, alpha 1	Col3a1	84032	1,74	down
6611882	7354140	1755139	collagen, type III, alpha 1	Col3a1	84032	1,11	down
6648841	7354140	1755133	collagen, type III, alpha 1	Col3a1	84032	1,10	up
6652063	7354140	1755134	collagen, type III, alpha 1	Col3a1	84032	1,51	down
6655879	7354140	1755156	collagen, type III, alpha 1	Col3a1	84032	1,12	up
6657624	7354140	1755142	collagen, type III, alpha 1	Col3a1	84032	1,65	down
6687482	7354140	1755115	collagen, type III, alpha 1	Col3a1	84032	1,06	down
6699261	7354140	1755119	collagen, type III, alpha 1	Col3a1	84032	1,26	down
6721119	7354140	1755113	collagen, type III, alpha 1	Col3a1	84032	1,31	down
6721841	7354140	1755137	collagen, type III, alpha 1	Col3a1	84032	1,06	down
6733289	7354140	1755140	collagen, type III, alpha 1	Col3a1	84032	1,10	down
5649845	7147828	1245553	collagen, type IV, alpha 1	Col4a1	290905	1,42	down
5663204	7147828	1245565	collagen, type IV, alpha 1	Col4a1	290905	1,24	up
5675487	7147828	1245496	collagen, type IV, alpha 1	Col4a1	290905	1,13	up
5679363	7147828	1245520	collagen, type IV, alpha 1	Col4a1	290905	1,13	up

5733585	7147828	1245519	collagen, type IV, alpha 1	Col4a1	290905	1,63	down
5748661	7147828	1245532	collagen, type IV, alpha 1	Col4a1	290905	1,30	down
5759743	7147828	1245541	collagen, type IV, alpha 1	Col4a1	290905	1,23	down
5764486	7147828	1245531	collagen, type IV, alpha 1	Col4a1	290905	1,66	up
5790087	7147828	1245549	collagen, type IV, alpha 1	Col4a1	290905	1,04	up
5791333	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,61	up
5816622	7147828	1245496	collagen, type IV, alpha 1	Col4a1	290905	1,01	down
5827476	7147828	1245544	collagen, type IV, alpha 1	Col4a1	290905	1,66	down
5856209	7147828	1245533	collagen, type IV, alpha 1	Col4a1	290905	1,30	up
5882928	7147828	1245542	collagen, type IV, alpha 1	Col4a1	290905	1,12	up
5923227	7147828	1245512	collagen, type IV, alpha 1	Col4a1	290905	1,32	up
5927023	7147828	1245518	collagen, type IV, alpha 1	Col4a1	290905	1,03	down
5948146	7147828	1245560	collagen, type IV, alpha 1	Col4a1	290905	1,63	down
5970291	7147828	1245534	collagen, type IV, alpha 1	Col4a1	290905	1,10	down
5970497	7147828	1245540	collagen, type IV, alpha 1	Col4a1	290905	1,15	up
5973393	7147828	1245545	collagen, type IV, alpha 1	Col4a1	290905	1,06	up
5989129	7147828	1245543	collagen, type IV, alpha 1	Col4a1	290905	1,32	down
5991337	7147828	1245515	collagen, type IV, alpha 1	Col4a1	290905	1,40	up
6002773	7147828	1245523	collagen, type IV, alpha 1	Col4a1	290905	1,25	up
6017768	7147828	1245568	collagen, type IV, alpha 1	Col4a1	290905	1,64	up
6048586	7147828	1245530	collagen, type IV, alpha 1	Col4a1	290905	1,34	up
6054629	7147828	1245547	collagen, type IV, alpha 1	Col4a1	290905	1,29	down
6071861	7147828	1245549	collagen, type IV, alpha 1	Col4a1	290905	1,02	up
6077691	7147828	1245516	collagen, type IV, alpha 1	Col4a1	290905	1,57	up
6087471	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,73	down
6096351	7147828	1245557	collagen, type IV, alpha 1	Col4a1	290905	1,12	up
6099922	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,19	up
6101702	7147828	1245521	collagen, type IV, alpha 1	Col4a1	290905	1,65	down
6107636	7147828	1245522	collagen, type IV, alpha 1	Col4a1	290905	1,57	up
6117613	7147828	1245562	collagen, type IV, alpha 1	Col4a1	290905	1,97	up
6119679	7147828	1245517	collagen, type IV, alpha 1	Col4a1	290905	1,51	up
6129793	7147828	1245526	collagen, type IV, alpha 1	Col4a1	290905	1,03	down
6162775	7147828	1245548	collagen, type IV, alpha 1	Col4a1	290905	1,19	up
6163403	7147828	1245506	collagen, type IV, alpha 1	Col4a1	290905	1,22	down
6250748	7147828	1245539	collagen, type IV, alpha 1	Col4a1	290905	1,04	up
6257377	7147828	1245556	collagen, type IV, alpha 1	Col4a1	290905	1,27	down
6258844	7147828	1245546	collagen, type IV, alpha 1	Col4a1	290905	1,72	up
6261091	7147828	1245552	collagen, type IV, alpha 1	Col4a1	290905	1,26	down
6284999	7147828	1245567	collagen, type IV, alpha 1	Col4a1	290905	1,04	up
6300989	7147828	1245535	collagen, type IV, alpha 1	Col4a1	290905	1,47	down
6313448	7147828	1245513	collagen, type IV, alpha 1	Col4a1	290905	1,09	up
6323465	7147828	1245532	collagen, type IV, alpha 1	Col4a1	290905	1,43	down
6324401	7147828	1245550	collagen, type IV, alpha 1	Col4a1	290905	2,12	up
6327269	7147828	1245525	collagen, type IV, alpha 1	Col4a1	290905	1,10	up
6339035	7147828	1245561	collagen, type IV, alpha 1	Col4a1	290905	1,22	down
6391328	7147828	1245527	collagen, type IV, alpha 1	Col4a1	290905	1,07	up
6413101	7147828	1245564	collagen, type IV, alpha 1	Col4a1	290905	1,10	up
6443817	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,21	down
6470142	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,14	down
6484590	7147828	1245554	collagen, type IV, alpha 1	Col4a1	290905	1,12	up
6500794	7147828	1245559	collagen, type IV, alpha 1	Col4a1	290905	1,12	down
6556680	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,10	down
6558733	7147828	1245514	collagen, type IV, alpha 1	Col4a1	290905	1,89	up
6580970	7147828	1245538	collagen, type IV, alpha 1	Col4a1	290905	1,87	up
6588263	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,02	down
6606913	7147828	1245554	collagen, type IV, alpha 1	Col4a1	290905	1,09	down

6616618	7147828	1245563	collagen, type IV, alpha 1	Col4a1	290905	1,69	down
6620335	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,02	up
6683898	7147828	1245547	collagen, type IV, alpha 1	Col4a1	290905	2,28	up
6724160	7147828	1245558	collagen, type IV, alpha 1	Col4a1	290905	1,00	up
5646652	7188638	1346188	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,21	up
5688169	7188638	1346188	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	2,20	down
5690906	7188638	1346192	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,08	up
5792764	7188638	1346189	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,04	down
5837112	7188638	1346194	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,12	down
5986269	7188638	1346206	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,01	up
5997803	7188638	1346210	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,27	up
6050804	7188638	1346205	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,01	up
6085982	7188638	1346210	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,17	down
6163395	7188638	1346200	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,14	down
6174176	7188638	1346202	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,11	down
6191522	7188638	1346198	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,31	down
6196576	7188638	1346194	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,19	up
6234028	7188638	1346188	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,25	up
6297058	7188638	1346204	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,33	down
6361557	7188638	1346211	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,12	up
6362383	7188638	1346188	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,10	up
6378527	7188638	1346201	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,24	up
6408132	7188638	1346199	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,47	down
6443056	7188638	1346197	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,11	down
6463649	7188638	1346197	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,10	down
6468947	7188638	1346195	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,07	down
6558071	7188638	1346207	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,31	up
6580115	7188638	1346196	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,18	down
6647880	7188638	1346188	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,30	up
6653612	7188638	1346207	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,04	up
6679681	7188638	1346210	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,74	up
6693328	7188638	1346208	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Col4a3bp	365652	1,28	down
5664849	7380497	1821880	collagen, type IV, alpha 5	Col4a5	363457	1,00	up
5893147	7380497	1821876	collagen, type IV, alpha 5	Col4a5	363457	1,28	down
6183768	7380497	1821821	collagen, type IV, alpha 5	Col4a5	363457	1,14	up
6610834	7380497	1821880	collagen, type IV, alpha 5	Col4a5	363457	1,00	down
5626266	7225634	1436226	collagen, type V, alpha 1	Col5a1	85490	1,40	up
5665108	7225634	1436225	collagen, type V, alpha 1	Col5a1	85490	1,08	up
5668831	7225634	1436190	collagen, type V, alpha 1	Col5a1	85490	1,28	down
5693876	7225634	1436218	collagen, type V, alpha 1	Col5a1	85490	1,09	down
5714287	7225634	1436248	collagen, type V, alpha 1	Col5a1	85490	1,16	down
5733751	7225634	1436194	collagen, type V, alpha 1	Col5a1	85490	1,27	up
5754900	7225634	1436244	collagen, type V, alpha 1	Col5a1	85490	1,06	down
5777419	7225634	1436223	collagen, type V, alpha 1	Col5a1	85490	1,07	down
5781921	7225634	1436222	collagen, type V, alpha 1	Col5a1	85490	1,68	up
5788081	7225634	1436230	collagen, type V, alpha 1	Col5a1	85490	1,51	down
5795909	7225634	1436238	collagen, type V, alpha 1	Col5a1	85490	1,04	up
5800033	7225634	1436193	collagen, type V, alpha 1	Col5a1	85490	1,12	up
5809976	7225634	1436241	collagen, type V, alpha 1	Col5a1	85490	1,02	up
5870468	7225634	1436210	collagen, type V, alpha 1	Col5a1	85490	1,13	up
5872714	7225634	1436246	collagen, type V, alpha 1	Col5a1	85490	1,06	up
5881168	7225634	1436216	collagen, type V, alpha 1	Col5a1	85490	1,55	down
5910881	7225634	1436236	collagen, type V, alpha 1	Col5a1	85490	1,17	down
5917648	7225634	1436251	collagen, type V, alpha 1	Col5a1	85490	1,04	up
5952809	7225634	1436219	collagen, type V, alpha 1	Col5a1	85490	1,09	down
5960494	7225634	1436187	collagen, type V, alpha 1	Col5a1	85490	1,02	up

5962789	7225634	1436201	collagen, type V, alpha 1	Col5a1	85490	1,21	down
6022529	7225634	1436208	collagen, type V, alpha 1	Col5a1	85490	1,16	up
6026445	7225634	1436192	collagen, type V, alpha 1	Col5a1	85490	1,02	up
6043958	7225634	1436239	collagen, type V, alpha 1	Col5a1	85490	1,14	down
6073554	7225634	1436221	collagen, type V, alpha 1	Col5a1	85490	1,41	down
6082265	7225634	1436234	collagen, type V, alpha 1	Col5a1	85490	1,09	up
6106625	7225634	1436189	collagen, type V, alpha 1	Col5a1	85490	1,75	up
6149553	7225634	1436214	collagen, type V, alpha 1	Col5a1	85490	1,37	up
6151812	7225634	1436203	collagen, type V, alpha 1	Col5a1	85490	1,05	up
6161716	7225634	1436247	collagen, type V, alpha 1	Col5a1	85490	1,06	up
6162946	7225634	1436245	collagen, type V, alpha 1	Col5a1	85490	1,16	up
6187772	7225634	1436233	collagen, type V, alpha 1	Col5a1	85490	1,12	down
6190966	7225634	1436207	collagen, type V, alpha 1	Col5a1	85490	1,01	down
6197868	7225634	1436205	collagen, type V, alpha 1	Col5a1	85490	1,26	down
6204707	7225634	1436231	collagen, type V, alpha 1	Col5a1	85490	1,42	up
6230883	7225634	1436250	collagen, type V, alpha 1	Col5a1	85490	1,02	up
6245158	7225634	1436191	collagen, type V, alpha 1	Col5a1	85490	1,16	up
6246649	7225634	1436188	collagen, type V, alpha 1	Col5a1	85490	1,07	up
6276516	7225634	1436227	collagen, type V, alpha 1	Col5a1	85490	1,17	down
6277341	7225634	1436209	collagen, type V, alpha 1	Col5a1	85490	1,13	down
6294259	7225634	1436215	collagen, type V, alpha 1	Col5a1	85490	1,92	down
6301299	7225634	1436211	collagen, type V, alpha 1	Col5a1	85490	1,58	down
6324302	7225634	1436220	collagen, type V, alpha 1	Col5a1	85490	1,34	up
6341600	7225634	1436235	collagen, type V, alpha 1	Col5a1	85490	1,17	up
6383035	7225634	1436197	collagen, type V, alpha 1	Col5a1	85490	1,01	up
6410519	7225634	1436232	collagen, type V, alpha 1	Col5a1	85490	1,73	down
6422513	7225634	1436224	collagen, type V, alpha 1	Col5a1	85490	2,24	up
6462858	7225634	1436199	collagen, type V, alpha 1	Col5a1	85490	1,12	down
6497090	7225634	1436206	collagen, type V, alpha 1	Col5a1	85490	1,93	down
6499816	7225634	1436195	collagen, type V, alpha 1	Col5a1	85490	1,16	down
6515347	7225634	1436249	collagen, type V, alpha 1	Col5a1	85490	1,11	up
6548293	7225634	1436237	collagen, type V, alpha 1	Col5a1	85490	1,91	down
6563026	7225634	1436240	collagen, type V, alpha 1	Col5a1	85490	1,11	down
6591656	7225634	1436202	collagen, type V, alpha 1	Col5a1	85490	1,01	down
6594881	7225634	1436243	collagen, type V, alpha 1	Col5a1	85490	1,14	up
6595295	7225634	1436229	collagen, type V, alpha 1	Col5a1	85490	1,21	down
6602721	7225634	1436196	collagen, type V, alpha 1	Col5a1	85490	3,69	up
6631708	7225634	1436204	collagen, type V, alpha 1	Col5a1	85490	1,08	down
6656005	7225634	1436198	collagen, type V, alpha 1	Col5a1	85490	1,10	down
6660241	7225634	1436200	collagen, type V, alpha 1	Col5a1	85490	1,35	down
6687133	7225634	1436228	collagen, type V, alpha 1	Col5a1	85490	1,06	down
6689769	7225634	1436242	collagen, type V, alpha 1	Col5a1	85490	1,02	up
6701087	7225634	1436212	collagen, type V, alpha 1	Col5a1	85490	1,17	up
6721783	7225634	1436213	collagen, type V, alpha 1	Col5a1	85490	1,26	down
5653467	7342881	1727067	collagen, type V, alpha 3	Col5a3	60379	1,28	down
5665622	7342881	1727080	collagen, type V, alpha 3	Col5a3	60379	1,32	down
5690004	7342881	1727096	collagen, type V, alpha 3	Col5a3	60379	1,02	up
5768782	7342881	1727126	collagen, type V, alpha 3	Col5a3	60379	1,56	down
5771313	7342881	1727086	collagen, type V, alpha 3	Col5a3	60379	1,38	down
5805219	7342881	1727119	collagen, type V, alpha 3	Col5a3	60379	1,18	up
5807679	7342881	1727104	collagen, type V, alpha 3	Col5a3	60379	1,23	down
5826414	7342881	1727102	collagen, type V, alpha 3	Col5a3	60379	1,20	down
5830447	7342881	1727075	collagen, type V, alpha 3	Col5a3	60379	1,00	down
5853929	7342881	1727092	collagen, type V, alpha 3	Col5a3	60379	1,08	down
5868624	7342881	1727093	collagen, type V, alpha 3	Col5a3	60379	1,74	down
5877919	7342881	1727065	collagen, type V, alpha 3	Col5a3	60379	1,25	up

5890397	7342881	1727132	collagen, type V, alpha 3	Col5a3	60379	1,06	up
5892115	7342881	1727120	collagen, type V, alpha 3	Col5a3	60379	1,45	up
5917822	7342881	1727070	collagen, type V, alpha 3	Col5a3	60379	1,06	down
5934837	7342881	1727116	collagen, type V, alpha 3	Col5a3	60379	1,02	up
5939099	7342881	1727131	collagen, type V, alpha 3	Col5a3	60379	1,18	up
5964683	7342881	1727130	collagen, type V, alpha 3	Col5a3	60379	1,36	down
5982025	7342881	1727127	collagen, type V, alpha 3	Col5a3	60379	1,23	up
6038774	7342881	1727123	collagen, type V, alpha 3	Col5a3	60379	1,34	up
6064942	7342881	1727101	collagen, type V, alpha 3	Col5a3	60379	1,02	down
6069826	7342881	1727114	collagen, type V, alpha 3	Col5a3	60379	2,83	up
6080046	7342881	1727071	collagen, type V, alpha 3	Col5a3	60379	1,22	down
6109638	7342881	1727124	collagen, type V, alpha 3	Col5a3	60379	1,02	up
6128024	7342881	1727110	collagen, type V, alpha 3	Col5a3	60379	1,22	down
6140894	7342881	1727100	collagen, type V, alpha 3	Col5a3	60379	2,67	down
6141694	7342881	1727088	collagen, type V, alpha 3	Col5a3	60379	1,09	down
6184001	7342881	1727089	collagen, type V, alpha 3	Col5a3	60379	1,41	down
6184521	7342881	1727106	collagen, type V, alpha 3	Col5a3	60379	1,02	up
6192991	7342881	1727077	collagen, type V, alpha 3	Col5a3	60379	1,13	down
6210971	7342881	1727085	collagen, type V, alpha 3	Col5a3	60379	1,11	down
6227288	7342881	1727082	collagen, type V, alpha 3	Col5a3	60379	1,18	up
6245202	7342881	1727111	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6253297	7342881	1727099	collagen, type V, alpha 3	Col5a3	60379	1,17	down
6321458	7342881	1727103	collagen, type V, alpha 3	Col5a3	60379	1,14	up
6322439	7342881	1727115	collagen, type V, alpha 3	Col5a3	60379	1,08	up
6344012	7342881	1727095	collagen, type V, alpha 3	Col5a3	60379	1,17	down
6351771	7342881	1727066	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6361312	7342881	1727105	collagen, type V, alpha 3	Col5a3	60379	1,20	down
6363294	7342881	1727069	collagen, type V, alpha 3	Col5a3	60379	2,52	up
6403327	7342881	1727113	collagen, type V, alpha 3	Col5a3	60379	1,43	down
6409266	7342881	1727128	collagen, type V, alpha 3	Col5a3	60379	1,23	up
6412942	7342881	1727074	collagen, type V, alpha 3	Col5a3	60379	1,05	up
6418762	7342881	1727112	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6420832	7342881	1727109	collagen, type V, alpha 3	Col5a3	60379	1,02	down
6460970	7342881	1727118	collagen, type V, alpha 3	Col5a3	60379	1,75	down
6482146	7342881	1727098	collagen, type V, alpha 3	Col5a3	60379	1,54	down
6491462	7342881	1727125	collagen, type V, alpha 3	Col5a3	60379	1,04	up
6511083	7342881	1727090	collagen, type V, alpha 3	Col5a3	60379	1,37	down
6518975	7342881	1727129	collagen, type V, alpha 3	Col5a3	60379	1,33	up
6529033	7342881	1727081	collagen, type V, alpha 3	Col5a3	60379	1,33	up
6536673	7342881	1727083	collagen, type V, alpha 3	Col5a3	60379	1,18	up
6546160	7342881	1727094	collagen, type V, alpha 3	Col5a3	60379	1,18	down
6568216	7342881	1727072	collagen, type V, alpha 3	Col5a3	60379	1,30	down
6573886	7342881	1727097	collagen, type V, alpha 3	Col5a3	60379	1,13	up
6583119	7342881	1727117	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6585120	7342881	1727074	collagen, type V, alpha 3	Col5a3	60379	1,01	up
6602045	7342881	1727091	collagen, type V, alpha 3	Col5a3	60379	1,02	up
6616788	7342881	1727079	collagen, type V, alpha 3	Col5a3	60379	1,01	down
6619847	7342881	1727070	collagen, type V, alpha 3	Col5a3	60379	2,03	up
6657870	7342881	1727068	collagen, type V, alpha 3	Col5a3	60379	1,47	down
6658534	7342881	1727121	collagen, type V, alpha 3	Col5a3	60379	1,36	down
6669533	7342881	1727108	collagen, type V, alpha 3	Col5a3	60379	1,33	up
6669838	7342881	1727073	collagen, type V, alpha 3	Col5a3	60379	1,04	up
6687570	7342881	1727078	collagen, type V, alpha 3	Col5a3	60379	1,35	down
6693103	7342881	1727107	collagen, type V, alpha 3	Col5a3	60379	1,48	down
6697258	7342881	1727084	collagen, type V, alpha 3	Col5a3	60379	1,35	down
6706476	7342881	1727076	collagen, type V, alpha 3	Col5a3	60379	1,06	up

6715093	7342881	1727087	collagen, type V, alpha 3	Col5a3	60379	1,30	down
6741528	7342881	1727122	collagen, type V, alpha 3	Col5a3	60379	1,33	up
5796285	7217679	1417291	collagen, type VI, alpha 1	Col6a1	294337	1,32	down
5649861	7198210	1371011	collagen, type XI, alpha 1	Coll1a1	25654	1,46	down
5693804	7198210	1371019	collagen, type XI, alpha 1	Coll1a1	25654	1,43	down
5731305	7198210	1371018	collagen, type XI, alpha 1	Coll1a1	25654	1,25	down
5800677	7198210	1371017	collagen, type XI, alpha 1	Coll1a1	25654	1,06	down
5951426	7198210	1371021	collagen, type XI, alpha 1	Coll1a1	25654	1,03	down
6168189	7198210	1371020	collagen, type XI, alpha 1	Coll1a1	25654	1,17	up
6168606	7198210	1371025	collagen, type XI, alpha 1	Coll1a1	25654	1,04	up
6281955	7198210	1371023	collagen, type XI, alpha 1	Coll1a1	25654	1,09	down
6289981	7198210	1371024	collagen, type XI, alpha 1	Coll1a1	25654	1,07	down
6291861	7198210	1371016	collagen, type XI, alpha 1	Coll1a1	25654	1,03	up
6329034	7198210	1371022	collagen, type XI, alpha 1	Coll1a1	25654	1,13	up
6335909	7198210	1371026	collagen, type XI, alpha 1	Coll1a1	25654	1,01	down
6368634	7198210	1371013	collagen, type XI, alpha 1	Coll1a1	25654	1,02	down
6379452	7198210	1371014	collagen, type XI, alpha 1	Coll1a1	25654	1,04	down
6546600	7198210	1371012	collagen, type XI, alpha 1	Coll1a1	25654	1,05	down
5640150	7220967	1425182	collagen, type XI, alpha 2	Coll1a2	294279	1,08	up
5640621	7220967	1425196	collagen, type XI, alpha 2	Coll1a2	294279	1,02	down
5673740	7220967	1425166	collagen, type XI, alpha 2	Coll1a2	294279	1,01	down
5675395	7220967	1425188	collagen, type XI, alpha 2	Coll1a2	294279	1,24	up
5698202	7220967	1425152	collagen, type XI, alpha 2	Coll1a2	294279	1,05	down
5699424	7220967	1425165	collagen, type XI, alpha 2	Coll1a2	294279	1,42	down
5708845	7220967	1425169	collagen, type XI, alpha 2	Coll1a2	294279	1,40	up
5717971	7220967	1425154	collagen, type XI, alpha 2	Coll1a2	294279	1,18	up
5775392	7220967	1425160	collagen, type XI, alpha 2	Coll1a2	294279	1,00	up
5791764	7220967	1425190	collagen, type XI, alpha 2	Coll1a2	294279	1,33	up
5810114	7220967	1425176	collagen, type XI, alpha 2	Coll1a2	294279	1,05	down
5817474	7220967	1425158	collagen, type XI, alpha 2	Coll1a2	294279	1,22	down
5842562	7220967	1425184	collagen, type XI, alpha 2	Coll1a2	294279	1,10	down
5843681	7220967	1425147	collagen, type XI, alpha 2	Coll1a2	294279	1,12	down
5855075	7220967	1425201	collagen, type XI, alpha 2	Coll1a2	294279	1,43	down
5863208	7220967	1425153	collagen, type XI, alpha 2	Coll1a2	294279	1,13	up
5864422	7220967	1425171	collagen, type XI, alpha 2	Coll1a2	294279	1,11	down
5930362	7220967	1425203	collagen, type XI, alpha 2	Coll1a2	294279	1,25	down
5933376	7220967	1425193	collagen, type XI, alpha 2	Coll1a2	294279	1,11	up
5935438	7220967	1425199	collagen, type XI, alpha 2	Coll1a2	294279	1,08	up
5944110	7220967	1425161	collagen, type XI, alpha 2	Coll1a2	294279	1,30	down
6037941	7220967	1425164	collagen, type XI, alpha 2	Coll1a2	294279	1,66	down
6073964	7220967	1425168	collagen, type XI, alpha 2	Coll1a2	294279	1,04	up
6083800	7220967	1425186	collagen, type XI, alpha 2	Coll1a2	294279	1,23	down
6135432	7220967	1425191	collagen, type XI, alpha 2	Coll1a2	294279	1,35	down
6148838	7220967	1425195	collagen, type XI, alpha 2	Coll1a2	294279	1,47	down
6186018	7220967	1425151	collagen, type XI, alpha 2	Coll1a2	294279	1,85	down
6191351	7220967	1425157	collagen, type XI, alpha 2	Coll1a2	294279	1,10	up
6204931	7220967	1425165	collagen, type XI, alpha 2	Coll1a2	294279	1,10	down
6229507	7220967	1425204	collagen, type XI, alpha 2	Coll1a2	294279	1,09	down
6239380	7220967	1425174	collagen, type XI, alpha 2	Coll1a2	294279	1,05	down
6247161	7220967	1425206	collagen, type XI, alpha 2	Coll1a2	294279	1,32	up
6255563	7220967	1425198	collagen, type XI, alpha 2	Coll1a2	294279	1,01	up
6259929	7220967	1425177	collagen, type XI, alpha 2	Coll1a2	294279	1,04	down
6263167	7220967	1425150	collagen, type XI, alpha 2	Coll1a2	294279	1,62	down
6266813	7220967	1425207	collagen, type XI, alpha 2	Coll1a2	294279	1,34	up
6287361	7220967	1425189	collagen, type XI, alpha 2	Coll1a2	294279	1,07	up
6298772	7220967	1425192	collagen, type XI, alpha 2	Coll1a2	294279	1,35	down

6312799	7220967	1425202	collagen, type XI, alpha 2	Coll1a2	294279	1,15	up
6326711	7220967	1425200	collagen, type XI, alpha 2	Coll1a2	294279	1,11	down
6330471	7220967	1425167	collagen, type XI, alpha 2	Coll1a2	294279	1,00	down
6342330	7220967	1425181	collagen, type XI, alpha 2	Coll1a2	294279	1,10	up
6358386	7220967	1425162	collagen, type XI, alpha 2	Coll1a2	294279	1,66	up
6395521	7220967	1425179	collagen, type XI, alpha 2	Coll1a2	294279	1,32	down
6406093	7220967	1425178	collagen, type XI, alpha 2	Coll1a2	294279	1,12	down
6426571	7220967	1425146	collagen, type XI, alpha 2	Coll1a2	294279	1,36	up
6440199	7220967	1425183	collagen, type XI, alpha 2	Coll1a2	294279	1,09	down
6491056	7220967	1425163	collagen, type XI, alpha 2	Coll1a2	294279	1,03	down
6506188	7220967	1425159	collagen, type XI, alpha 2	Coll1a2	294279	1,04	up
6518860	7220967	1425180	collagen, type XI, alpha 2	Coll1a2	294279	1,13	up
6519298	7220967	1425207	collagen, type XI, alpha 2	Coll1a2	294279	1,33	up
6524706	7220967	1425155	collagen, type XI, alpha 2	Coll1a2	294279	1,32	down
6537755	7220967	1425148	collagen, type XI, alpha 2	Coll1a2	294279	1,55	down
6548085	7220967	1425175	collagen, type XI, alpha 2	Coll1a2	294279	1,02	up
6548570	7220967	1425149	collagen, type XI, alpha 2	Coll1a2	294279	1,89	down
6552270	7220967	1425205	collagen, type XI, alpha 2	Coll1a2	294279	1,16	down
6558214	7220967	1425185	collagen, type XI, alpha 2	Coll1a2	294279	1,03	down
6607963	7220967	1425197	collagen, type XI, alpha 2	Coll1a2	294279	1,04	up
6628047	7220967	1425156	collagen, type XI, alpha 2	Coll1a2	294279	1,06	down
6642252	7220967	1425173	collagen, type XI, alpha 2	Coll1a2	294279	1,12	up
6675169	7220967	1425170	collagen, type XI, alpha 2	Coll1a2	294279	1,10	up
6686636	7220967	1425172	collagen, type XI, alpha 2	Coll1a2	294279	1,54	up
6688942	7220967	1425187	collagen, type XI, alpha 2	Coll1a2	294279	3,23	down
6695077	7220967	1425194	collagen, type XI, alpha 2	Coll1a2	294279	1,09	down
5621493	7317088	1664999	collagen, type XIV, alpha 1	Coll14a1	314981	1,21	up
5658514	7317088	1665035	collagen, type XIV, alpha 1	Coll14a1	314981	1,08	down
5677716	7317088	1665036	collagen, type XIV, alpha 1	Coll14a1	314981	1,03	down
5735288	7317088	1665008	collagen, type XIV, alpha 1	Coll14a1	314981	1,06	up
5758373	7317088	1665051	collagen, type XIV, alpha 1	Coll14a1	314981	1,13	down
5761536	7317088	1665018	collagen, type XIV, alpha 1	Coll14a1	314981	1,17	down
5784668	7317088	1665057	collagen, type XIV, alpha 1	Coll14a1	314981	1,60	up
5789875	7317088	1665016	collagen, type XIV, alpha 1	Coll14a1	314981	1,42	up
5790048	7317088	1665001	collagen, type XIV, alpha 1	Coll14a1	314981	1,03	up
5827210	7317088	1665025	collagen, type XIV, alpha 1	Coll14a1	314981	1,35	down
5850830	7317088	1664995	collagen, type XIV, alpha 1	Coll14a1	314981	1,57	up
5904477	7317088	1665020	collagen, type XIV, alpha 1	Coll14a1	314981	1,21	up
5905993	7317088	1665034	collagen, type XIV, alpha 1	Coll14a1	314981	1,10	down
5909981	7317088	1665059	collagen, type XIV, alpha 1	Coll14a1	314981	1,43	up
5950544	7317088	1665002	collagen, type XIV, alpha 1	Coll14a1	314981	1,98	down
5958003	7317088	1665021	collagen, type XIV, alpha 1	Coll14a1	314981	1,06	down
5962673	7317088	1664998	collagen, type XIV, alpha 1	Coll14a1	314981	1,76	down
5969703	7317088	1665027	collagen, type XIV, alpha 1	Coll14a1	314981	1,07	down
5971199	7317088	1665039	collagen, type XIV, alpha 1	Coll14a1	314981	1,07	up
5986792	7317088	1665032	collagen, type XIV, alpha 1	Coll14a1	314981	1,18	up
6018208	7317088	1664997	collagen, type XIV, alpha 1	Coll14a1	314981	1,18	up
6093387	7317088	1665051	collagen, type XIV, alpha 1	Coll14a1	314981	2,54	down
6111207	7317088	1665056	collagen, type XIV, alpha 1	Coll14a1	314981	1,27	down
6119125	7317088	1665042	collagen, type XIV, alpha 1	Coll14a1	314981	1,13	down
6143383	7317088	1664998	collagen, type XIV, alpha 1	Coll14a1	314981	1,50	down
6147300	7317088	1665024	collagen, type XIV, alpha 1	Coll14a1	314981	1,15	up
6148884	7317088	1665028	collagen, type XIV, alpha 1	Coll14a1	314981	1,12	down
6187768	7317088	1665022	collagen, type XIV, alpha 1	Coll14a1	314981	1,13	up
6204342	7317088	1665009	collagen, type XIV, alpha 1	Coll14a1	314981	1,21	up
6222930	7317088	1665011	collagen, type XIV, alpha 1	Coll14a1	314981	1,27	up

6223446	7317088	1664991	collagen, type XIV, alpha 1	Coll14a1	314981	1,15	down
6236204	7317088	1665037	collagen, type XIV, alpha 1	Coll14a1	314981	1,12	up
6283297	7317088	1665030	collagen, type XIV, alpha 1	Coll14a1	314981	1,00	down
6313130	7317088	1665007	collagen, type XIV, alpha 1	Coll14a1	314981	1,15	up
6325692	7317088	1664993	collagen, type XIV, alpha 1	Coll14a1	314981	1,29	up
6327391	7317088	1665012	collagen, type XIV, alpha 1	Coll14a1	314981	1,03	down
6337490	7317088	1665000	collagen, type XIV, alpha 1	Coll14a1	314981	1,31	down
6364320	7317088	1665060	collagen, type XIV, alpha 1	Coll14a1	314981	1,00	up
6370246	7317088	1665047	collagen, type XIV, alpha 1	Coll14a1	314981	1,39	up
6375106	7317088	1665029	collagen, type XIV, alpha 1	Coll14a1	314981	2,27	down
6392734	7317088	1664987	collagen, type XIV, alpha 1	Coll14a1	314981	1,25	up
6393779	7317088	1665041	collagen, type XIV, alpha 1	Coll14a1	314981	1,25	up
6526986	7317088	1664996	collagen, type XIV, alpha 1	Coll14a1	314981	1,49	up
6528062	7317088	1665017	collagen, type XIV, alpha 1	Coll14a1	314981	1,00	up
6532825	7317088	1665026	collagen, type XIV, alpha 1	Coll14a1	314981	1,38	up
6612650	7317088	1664994	collagen, type XIV, alpha 1	Coll14a1	314981	1,77	down
6626380	7317088	1664990	collagen, type XIV, alpha 1	Coll14a1	314981	1,61	down
6726890	7317088	1665048	collagen, type XIV, alpha 1	Coll14a1	314981	1,12	up
6738432	7317088	1664986	collagen, type XIV, alpha 1	Coll14a1	314981	1,24	up
5665185	7274892	1559584	collagen, type XV, alpha 1	Coll15a1	298069	1,10	up
5703435	7274892	1559585	collagen, type XV, alpha 1	Coll15a1	298069	1,09	up
6359781	7274892	1559585	collagen, type XV, alpha 1	Coll15a1	298069	1,69	up
5618644	7279949	1572849	collagen, type XVI, alpha 1	Coll16a1	366474	1,09	down
5621320	7279949	1572846	collagen, type XVI, alpha 1	Coll16a1	366474	1,49	down
5634723	7279949	1572834	collagen, type XVI, alpha 1	Coll16a1	366474	1,02	up
5663978	7279949	1572832	collagen, type XVI, alpha 1	Coll16a1	366474	1,49	down
5682229	7279949	1572843	collagen, type XVI, alpha 1	Coll16a1	366474	1,55	up
5740776	7279949	1572846	collagen, type XVI, alpha 1	Coll16a1	366474	1,24	up
5772416	7279949	1572837	collagen, type XVI, alpha 1	Coll16a1	366474	1,07	up
5817323	7279949	1572838	collagen, type XVI, alpha 1	Coll16a1	366474	1,22	up
5867221	7279949	1572830	collagen, type XVI, alpha 1	Coll16a1	366474	1,39	up
5925245	7279949	1572848	collagen, type XVI, alpha 1	Coll16a1	366474	1,06	up
5935269	7279949	1572831	collagen, type XVI, alpha 1	Coll16a1	366474	1,28	up
5983989	7279949	1572846	collagen, type XVI, alpha 1	Coll16a1	366474	1,37	down
6056656	7279949	1572835	collagen, type XVI, alpha 1	Coll16a1	366474	1,11	up
6142734	7279949	1572842	collagen, type XVI, alpha 1	Coll16a1	366474	1,02	down
6333650	7279949	1572847	collagen, type XVI, alpha 1	Coll16a1	366474	1,18	down
6354976	7279949	1572833	collagen, type XVI, alpha 1	Coll16a1	366474	1,41	up
6357297	7279949	1572841	collagen, type XVI, alpha 1	Coll16a1	366474	1,16	down
6372314	7279949	1572845	collagen, type XVI, alpha 1	Coll16a1	366474	1,09	up
6441722	7279949	1572840	collagen, type XVI, alpha 1	Coll16a1	366474	1,29	down
6451490	7279949	1572830	collagen, type XVI, alpha 1	Coll16a1	366474	1,18	up
6589129	7279949	1572844	collagen, type XVI, alpha 1	Coll16a1	366474	1,11	up
6609210	7279949	1572839	collagen, type XVI, alpha 1	Coll16a1	366474	1,40	down
6624026	7279949	1572836	collagen, type XVI, alpha 1	Coll16a1	366474	2,18	down
5618009	7063515	1039695	collagen, type XVII, alpha 1	Coll17a1	294027	1,08	up
5627488	7063515	1039686	collagen, type XVII, alpha 1	Coll17a1	294027	1,01	up
5631731	7063515	1039674	collagen, type XVII, alpha 1	Coll17a1	294027	1,41	up
5643237	7063515	1039658	collagen, type XVII, alpha 1	Coll17a1	294027	1,03	down
5645386	7063515	1039654	collagen, type XVII, alpha 1	Coll17a1	294027	1,02	up
5684998	7063515	1039661	collagen, type XVII, alpha 1	Coll17a1	294027	1,13	up
5733645	7063515	1039642	collagen, type XVII, alpha 1	Coll17a1	294027	1,19	down
5736274	7063515	1039677	collagen, type XVII, alpha 1	Coll17a1	294027	1,07	up
5740238	7063515	1039645	collagen, type XVII, alpha 1	Coll17a1	294027	2,02	down
5743987	7063515	1039681	collagen, type XVII, alpha 1	Coll17a1	294027	1,08	up
5744048	7063515	1039634	collagen, type XVII, alpha 1	Coll17a1	294027	1,41	up

5749099	7063515	1039633	collagen, type XVII, alpha 1	Col17a1	294027	1,36	up
5751430	7063515	1039671	collagen, type XVII, alpha 1	Col17a1	294027	1,25	down
5754524	7063515	1039641	collagen, type XVII, alpha 1	Col17a1	294027	1,02	up
5779224	7063515	1039651	collagen, type XVII, alpha 1	Col17a1	294027	3,03	down
5825796	7063515	1039671	collagen, type XVII, alpha 1	Col17a1	294027	1,14	down
5867174	7063515	1039640	collagen, type XVII, alpha 1	Col17a1	294027	1,59	down
5877110	7063515	1039678	collagen, type XVII, alpha 1	Col17a1	294027	1,20	down
5899682	7063515	1039669	collagen, type XVII, alpha 1	Col17a1	294027	1,35	down
5906970	7063515	1039689	collagen, type XVII, alpha 1	Col17a1	294027	1,37	up
5931100	7063515	1039683	collagen, type XVII, alpha 1	Col17a1	294027	1,19	down
5934359	7063515	1039664	collagen, type XVII, alpha 1	Col17a1	294027	1,52	up
5943709	7063515	1039659	collagen, type XVII, alpha 1	Col17a1	294027	1,06	down
5954731	7063515	1039685	collagen, type XVII, alpha 1	Col17a1	294027	1,03	down
5955379	7063515	1039647	collagen, type XVII, alpha 1	Col17a1	294027	1,02	up
5961202	7063515	1039687	collagen, type XVII, alpha 1	Col17a1	294027	1,17	up
6005225	7063515	1039650	collagen, type XVII, alpha 1	Col17a1	294027	1,17	down
6008309	7063515	1039683	collagen, type XVII, alpha 1	Col17a1	294027	1,74	up
6084825	7063515	1039691	collagen, type XVII, alpha 1	Col17a1	294027	1,22	up
6134280	7063515	1039667	collagen, type XVII, alpha 1	Col17a1	294027	1,43	down
6145586	7063515	1039631	collagen, type XVII, alpha 1	Col17a1	294027	1,79	down
6175254	7063515	1039675	collagen, type XVII, alpha 1	Col17a1	294027	1,02	up
6175522	7063515	1039648	collagen, type XVII, alpha 1	Col17a1	294027	1,02	down
6193830	7063515	1039637	collagen, type XVII, alpha 1	Col17a1	294027	1,07	up
6220512	7063515	1039688	collagen, type XVII, alpha 1	Col17a1	294027	1,33	up
6221746	7063515	1039632	collagen, type XVII, alpha 1	Col17a1	294027	1,06	down
6224323	7063515	1039630	collagen, type XVII, alpha 1	Col17a1	294027	1,07	down
6253013	7063515	1039672	collagen, type XVII, alpha 1	Col17a1	294027	1,14	down
6259998	7063515	1039644	collagen, type XVII, alpha 1	Col17a1	294027	1,18	down
6267715	7063515	1039630	collagen, type XVII, alpha 1	Col17a1	294027	1,34	down
6277781	7063515	1039670	collagen, type XVII, alpha 1	Col17a1	294027	1,30	up
6286990	7063515	1039662	collagen, type XVII, alpha 1	Col17a1	294027	1,23	down
6302546	7063515	1039649	collagen, type XVII, alpha 1	Col17a1	294027	1,07	down
6385564	7063515	1039672	collagen, type XVII, alpha 1	Col17a1	294027	1,01	up
6389292	7063515	1039646	collagen, type XVII, alpha 1	Col17a1	294027	2,08	down
6402861	7063515	1039635	collagen, type XVII, alpha 1	Col17a1	294027	1,29	up
6436277	7063515	1039666	collagen, type XVII, alpha 1	Col17a1	294027	1,03	down
6489602	7063515	1039655	collagen, type XVII, alpha 1	Col17a1	294027	1,19	down
6493236	7063515	1039660	collagen, type XVII, alpha 1	Col17a1	294027	1,06	up
6527036	7063515	1039638	collagen, type XVII, alpha 1	Col17a1	294027	1,13	up
6528434	7063515	1039630	collagen, type XVII, alpha 1	Col17a1	294027	1,03	up
6542354	7063515	1039684	collagen, type XVII, alpha 1	Col17a1	294027	1,08	up
6595702	7063515	1039679	collagen, type XVII, alpha 1	Col17a1	294027	1,61	up
6640064	7063515	1039656	collagen, type XVII, alpha 1	Col17a1	294027	1,47	down
6670338	7063515	1039672	collagen, type XVII, alpha 1	Col17a1	294027	1,01	up
6686578	7063515	1039657	collagen, type XVII, alpha 1	Col17a1	294027	1,53	up
6700232	7063515	1039672	collagen, type XVII, alpha 1	Col17a1	294027	1,29	down
6703576	7063515	1039690	collagen, type XVII, alpha 1	Col17a1	294027	1,02	up
6710849	7063515	1039639	collagen, type XVII, alpha 1	Col17a1	294027	1,02	down
5871086	7217650	1417208	collagen, type XVIII, alpha 1	Col18a1	85251	1,88	down
6206572	7217650	1417210	collagen, type XVIII, alpha 1	Col18a1	85251	1,02	down
6382958	7217650	1417207	collagen, type XVIII, alpha 1	Col18a1	85251	1,20	down
6508253	7217650	1417209	collagen, type XVIII, alpha 1	Col18a1	85251	1,52	down
5626226	7236358	1464230	collagen, type XX, alpha 1	Col20a1	311716	1,16	up
5649301	7236358	1464232	collagen, type XX, alpha 1	Col20a1	311716	1,46	up
5745971	7236358	1464233	collagen, type XX, alpha 1	Col20a1	311716	1,12	down
5775144	7236358	1464221	collagen, type XX, alpha 1	Col20a1	311716	1,05	up

5834347	7236358	1464224	collagen, type XX, alpha 1	Col20a1	311716	1,18	up
5896456	7236358	1464233	collagen, type XX, alpha 1	Col20a1	311716	1,12	down
6107848	7236358	1464231	collagen, type XX, alpha 1	Col20a1	311716	1,07	up
6301504	7236358	1464218	collagen, type XX, alpha 1	Col20a1	311716	1,06	up
6436922	7236358	1464234	collagen, type XX, alpha 1	Col20a1	311716	1,18	down
6490537	7236358	1464228	collagen, type XX, alpha 1	Col20a1	311716	1,25	down
6527300	7236358	1464222	collagen, type XX, alpha 1	Col20a1	311716	1,53	up
6542102	7236358	1464223	collagen, type XX, alpha 1	Col20a1	311716	1,02	down
6611285	7236358	1464229	collagen, type XX, alpha 1	Col20a1	311716	1,21	down
6661860	7236358	1464233	collagen, type XX, alpha 1	Col20a1	311716	1,68	up
6704813	7236358	1464226	collagen, type XX, alpha 1	Col20a1	311716	1,51	up
6745977	7236358	1464218	collagen, type XX, alpha 1	Col20a1	311716	1,22	up
5628264	7328695	1692358	collagen, type XXII, alpha 1	Col22a1	315071	1,02	up
5638399	7328695	1692360	collagen, type XXII, alpha 1	Col22a1	315071	1,24	up
5653714	7328695	1692269	collagen, type XXII, alpha 1	Col22a1	315071	1,42	up
5680343	7328695	1692274	collagen, type XXII, alpha 1	Col22a1	315071	1,50	down
5685827	7328695	1692279	collagen, type XXII, alpha 1	Col22a1	315071	1,27	down
5691586	7328695	1692350	collagen, type XXII, alpha 1	Col22a1	315071	1,05	down
5693388	7328695	1692331	collagen, type XXII, alpha 1	Col22a1	315071	1,04	up
5708138	7328695	1692281	collagen, type XXII, alpha 1	Col22a1	315071	1,04	up
5750213	7328695	1692319	collagen, type XXII, alpha 1	Col22a1	315071	1,25	down
5803468	7328695	1692282	collagen, type XXII, alpha 1	Col22a1	315071	1,13	up
5820738	7328695	1692351	collagen, type XXII, alpha 1	Col22a1	315071	1,22	down
5822615	7328695	1692348	collagen, type XXII, alpha 1	Col22a1	315071	1,05	up
5845972	7328695	1692353	collagen, type XXII, alpha 1	Col22a1	315071	1,01	down
5848169	7328695	1692366	collagen, type XXII, alpha 1	Col22a1	315071	1,55	up
5855845	7328695	1692283	collagen, type XXII, alpha 1	Col22a1	315071	1,36	down
5858920	7328695	1692286	collagen, type XXII, alpha 1	Col22a1	315071	1,04	down
5888205	7328695	1692307	collagen, type XXII, alpha 1	Col22a1	315071	1,06	up
5895921	7328695	1692365	collagen, type XXII, alpha 1	Col22a1	315071	1,55	up
5922634	7328695	1692315	collagen, type XXII, alpha 1	Col22a1	315071	1,17	down
5924338	7328695	1692333	collagen, type XXII, alpha 1	Col22a1	315071	1,34	up
5932214	7328695	1692278	collagen, type XXII, alpha 1	Col22a1	315071	1,18	up
5932661	7328695	1692369	collagen, type XXII, alpha 1	Col22a1	315071	1,31	up
5937465	7328695	1692325	collagen, type XXII, alpha 1	Col22a1	315071	1,13	up
5939201	7328695	1692349	collagen, type XXII, alpha 1	Col22a1	315071	1,23	up
5956733	7328695	1692272	collagen, type XXII, alpha 1	Col22a1	315071	1,19	up
5957431	7328695	1692276	collagen, type XXII, alpha 1	Col22a1	315071	1,02	down
5995648	7328695	1692354	collagen, type XXII, alpha 1	Col22a1	315071	1,08	down
6002579	7328695	1692295	collagen, type XXII, alpha 1	Col22a1	315071	1,07	down
6011608	7328695	1692347	collagen, type XXII, alpha 1	Col22a1	315071	1,10	down
6020990	7328695	1692324	collagen, type XXII, alpha 1	Col22a1	315071	1,52	up
6026529	7328695	1692274	collagen, type XXII, alpha 1	Col22a1	315071	1,30	down
6056547	7328695	1692268	collagen, type XXII, alpha 1	Col22a1	315071	1,18	down
6071683	7328695	1692267	collagen, type XXII, alpha 1	Col22a1	315071	1,15	up
6083504	7328695	1692337	collagen, type XXII, alpha 1	Col22a1	315071	2,39	up
6112152	7328695	1692306	collagen, type XXII, alpha 1	Col22a1	315071	1,08	down
6128386	7328695	1692326	collagen, type XXII, alpha 1	Col22a1	315071	1,32	up
6136901	7328695	1692359	collagen, type XXII, alpha 1	Col22a1	315071	1,06	up
6138841	7328695	1692269	collagen, type XXII, alpha 1	Col22a1	315071	1,41	down
6197435	7328695	1692372	collagen, type XXII, alpha 1	Col22a1	315071	1,37	up
6257760	7328695	1692330	collagen, type XXII, alpha 1	Col22a1	315071	1,00	up
6292005	7328695	1692328	collagen, type XXII, alpha 1	Col22a1	315071	1,08	down
6298964	7328695	1692356	collagen, type XXII, alpha 1	Col22a1	315071	1,06	down
6320408	7328695	1692299	collagen, type XXII, alpha 1	Col22a1	315071	1,42	up
6336616	7328695	1692339	collagen, type XXII, alpha 1	Col22a1	315071	1,36	up

6339452	7328695	1692348	collagen, type XXII, alpha 1	Col22a1	315071	1,20	down
6363569	7328695	1692294	collagen, type XXII, alpha 1	Col22a1	315071	1,48	down
6363768	7328695	1692312	collagen, type XXII, alpha 1	Col22a1	315071	1,44	up
6443838	7328695	1692302	collagen, type XXII, alpha 1	Col22a1	315071	1,28	up
6455302	7328695	1692327	collagen, type XXII, alpha 1	Col22a1	315071	1,19	down
6481769	7328695	1692340	collagen, type XXII, alpha 1	Col22a1	315071	1,24	up
6494911	7328695	1692299	collagen, type XXII, alpha 1	Col22a1	315071	1,13	down
6498621	7328695	1692329	collagen, type XXII, alpha 1	Col22a1	315071	1,12	down
6508181	7328695	1692317	collagen, type XXII, alpha 1	Col22a1	315071	1,08	up
6511982	7328695	1692305	collagen, type XXII, alpha 1	Col22a1	315071	1,01	down
6554961	7328695	1692280	collagen, type XXII, alpha 1	Col22a1	315071	1,28	down
6657584	7328695	1692298	collagen, type XXII, alpha 1	Col22a1	315071	1,64	up
6659561	7328695	1692380	collagen, type XXII, alpha 1	Col22a1	315071	1,14	down
6672784	7328695	1692291	collagen, type XXII, alpha 1	Col22a1	315071	1,50	down
6698358	7328695	1692290	collagen, type XXII, alpha 1	Col22a1	315071	1,15	up
6701557	7328695	1692355	collagen, type XXII, alpha 1	Col22a1	315071	1,46	down
6706106	7328695	1692361	collagen, type XXII, alpha 1	Col22a1	315071	1,03	up
6710236	7328695	1692296	collagen, type XXII, alpha 1	Col22a1	315071	1,18	down
6712010	7328695	1692362	collagen, type XXII, alpha 1	Col22a1	315071	1,44	up
6725168	7328695	1692322	collagen, type XXII, alpha 1	Col22a1	315071	1,31	up
6746704	7328695	1692343	collagen, type XXII, alpha 1	Col22a1	315071	1,43	down
5674945	7067406	1049595	collagen, type XXIII, alpha 1	Col23a1	353303	1,20	down
5711470	7067406	1049601	collagen, type XXIII, alpha 1	Col23a1	353303	1,02	up
5721890	7067406	1049593	collagen, type XXIII, alpha 1	Col23a1	353303	1,21	up
5798192	7067406	1049587	collagen, type XXIII, alpha 1	Col23a1	353303	1,57	down
5837708	7067406	1049577	collagen, type XXIII, alpha 1	Col23a1	353303	1,24	up
5865510	7067406	1049596	collagen, type XXIII, alpha 1	Col23a1	353303	1,02	up
6090335	7067406	1049581	collagen, type XXIII, alpha 1	Col23a1	353303	1,37	up
6117157	7067406	1049600	collagen, type XXIII, alpha 1	Col23a1	353303	1,01	up
6146977	7067406	1049592	collagen, type XXIII, alpha 1	Col23a1	353303	1,02	up
6196233	7067406	1049599	collagen, type XXIII, alpha 1	Col23a1	353303	1,67	down
6197069	7067406	1049576	collagen, type XXIII, alpha 1	Col23a1	353303	1,39	down
6222935	7067406	1049589	collagen, type XXIII, alpha 1	Col23a1	353303	1,02	up
6288089	7067406	1049575	collagen, type XXIII, alpha 1	Col23a1	353303	1,48	up
6297247	7067406	1049590	collagen, type XXIII, alpha 1	Col23a1	353303	1,06	up
6310876	7067406	1049579	collagen, type XXIII, alpha 1	Col23a1	353303	1,02	down
6341994	7067406	1049585	collagen, type XXIII, alpha 1	Col23a1	353303	1,10	down
6443464	7067406	1049583	collagen, type XXIII, alpha 1	Col23a1	353303	1,21	down
6457727	7067406	1049578	collagen, type XXIII, alpha 1	Col23a1	353303	1,41	up
6527175	7067406	1049586	collagen, type XXIII, alpha 1	Col23a1	353303	1,07	up
6586548	7067406	1049597	collagen, type XXIII, alpha 1	Col23a1	353303	1,21	down
6591059	7067406	1049582	collagen, type XXIII, alpha 1	Col23a1	353303	1,13	down
6605691	7067406	1049601	collagen, type XXIII, alpha 1	Col23a1	353303	1,13	up
6614300	7067406	1049598	collagen, type XXIII, alpha 1	Col23a1	353303	1,09	down
6637724	7067406	1049594	collagen, type XXIII, alpha 1	Col23a1	353303	1,03	down
6685515	7067406	1049575	collagen, type XXIII, alpha 1	Col23a1	353303	1,03	up
6708536	7067406	1049584	collagen, type XXIII, alpha 1	Col23a1	353303	1,18	down
6716987	7067406	1049580	collagen, type XXIII, alpha 1	Col23a1	353303	1,09	down
6719074	7067406	1049588	collagen, type XXIII, alpha 1	Col23a1	353303	2,16	up
5645694	7212626	1404709	colony stimulating factor 1 (macrophage)	Csf1	78965	1,31	down
5713494	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	2,86	down
5742887	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	1,96	down
5774566	7212626	1404716	colony stimulating factor 1 (macrophage)	Csf1	78965	2,44	up
5781564	7212626	1404713	colony stimulating factor 1 (macrophage)	Csf1	78965	1,85	down
5793197	7212626	1404714	colony stimulating factor 1 (macrophage)	Csf1	78965	1,37	up
5817698	7212626	1404716	colony stimulating factor 1 (macrophage)	Csf1	78965	1,04	up

5945323	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	1,08	up
6005055	7212626	1404711	colony stimulating factor 1 (macrophage)	Csf1	78965	1,45	up
6075637	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	1,03	down
6087692	7212626	1404710	colony stimulating factor 1 (macrophage)	Csf1	78965	1,45	down
6174544	7212626	1404716	colony stimulating factor 1 (macrophage)	Csf1	78965	1,25	down
6232127	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	1,21	down
6330336	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	1,62	down
6388120	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	1,65	up
6440350	7212626	1404715	colony stimulating factor 1 (macrophage)	Csf1	78965	1,90	up
6446401	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	1,08	up
5636902	7171034	1302297	colony stimulating factor 1 receptor	Csflr	307403	1,12	up
5638091	7171034	1302295	colony stimulating factor 1 receptor	Csflr	307403	1,00	up
5667856	7171034	1302278	colony stimulating factor 1 receptor	Csflr	307403	1,00	up
5703899	7171034	1302289	colony stimulating factor 1 receptor	Csflr	307403	1,21	down
5732576	7171034	1302283	colony stimulating factor 1 receptor	Csflr	307403	2,17	up
5782265	7171034	1302276	colony stimulating factor 1 receptor	Csflr	307403	1,05	up
5787428	7171034	1302282	colony stimulating factor 1 receptor	Csflr	307403	1,47	up
5811497	7171034	1302273	colony stimulating factor 1 receptor	Csflr	307403	1,34	down
5853172	7171034	1302284	colony stimulating factor 1 receptor	Csflr	307403	1,03	up
5868452	7171034	1302277	colony stimulating factor 1 receptor	Csflr	307403	1,24	down
5894865	7171034	1302296	colony stimulating factor 1 receptor	Csflr	307403	1,07	down
5908800	7171034	1302279	colony stimulating factor 1 receptor	Csflr	307403	1,12	up
5920054	7171034	1302278	colony stimulating factor 1 receptor	Csflr	307403	1,17	up
5921431	7171034	1302298	colony stimulating factor 1 receptor	Csflr	307403	1,09	up
5973937	7171034	1302275	colony stimulating factor 1 receptor	Csflr	307403	1,24	up
6002193	7171034	1302299	colony stimulating factor 1 receptor	Csflr	307403	1,28	down
6175247	7171034	1302298	colony stimulating factor 1 receptor	Csflr	307403	1,01	up
6232543	7171034	1302294	colony stimulating factor 1 receptor	Csflr	307403	1,47	down
6269811	7171034	1302290	colony stimulating factor 1 receptor	Csflr	307403	1,18	down
6274181	7171034	1302281	colony stimulating factor 1 receptor	Csflr	307403	1,08	up
6374968	7171034	1302299	colony stimulating factor 1 receptor	Csflr	307403	1,16	up
6445604	7171034	1302293	colony stimulating factor 1 receptor	Csflr	307403	1,23	up
6502919	7171034	1302293	colony stimulating factor 1 receptor	Csflr	307403	1,66	down
6529462	7171034	1302299	colony stimulating factor 1 receptor	Csflr	307403	1,21	up
6618096	7171034	1302288	colony stimulating factor 1 receptor	Csflr	307403	1,11	down
6628440	7171034	1302291	colony stimulating factor 1 receptor	Csflr	307403	1,14	down
6728482	7171034	1302280	colony stimulating factor 1 receptor	Csflr	307403	1,06	up
6737436	7171034	1302277	colony stimulating factor 1 receptor	Csflr	307403	1,42	up
5771487	7318456	1668629	COMM domain containing 5	Commmd5	245974	1,18	down
5783418	7318456	1668627	COMM domain containing 5	Commmd5	245974	1,10	up
5830256	7318456	1668629	COMM domain containing 5	Commmd5	245974	1,02	up
6443279	7318456	1668628	COMM domain containing 5	Commmd5	245974	2,23	down
5687766	7118196	1172701	COMM domain containing 8	Commmd8	289603	1,32	up
6142254	7118196	1172698	COMM domain containing 8	Commmd8	289603	1,18	up
6245154	7118196	1172700	COMM domain containing 8	Commmd8	289603	1,20	up
6410463	7118196	1172696	COMM domain containing 8	Commmd8	289603	1,12	down
6418719	7118196	1172702	COMM domain containing 8	Commmd8	289603	1,15	down
6478020	7118196	1172696	COMM domain containing 8	Commmd8	289603	3,47	down
5632760	7115728	1166531	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,14	up
5737674	7115728	1166525	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,04	down
5879271	7115728	1166529	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,47	up
5882845	7115728	1166524	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,02	up
5992450	7115728	1166526	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,09	down
6210062	7115728	1166528	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,01	up
6268669	7115728	1166527	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,04	down
6400969	7115728	1166522	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,22	down

6417267	7115728	1166522	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,14	down
6433755	7115728	1166532	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,23	up
6523518	7115728	1166532	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,80	down
6554962	7115728	1166528	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,67	down
6629459	7115728	1166530	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,30	up
6722126	7115728	1166523	complement component (3b/4b) receptor 1-like	Cr1l	54243	2,18	down
5740483	7258323	1518482	complement component 1, r subcomponent	C1r	312705	1,47	down
5850274	7258323	1518471	complement component 1, r subcomponent	C1r	312705	1,44	up
5931422	7258323	1518474	complement component 1, r subcomponent	C1r	312705	1,35	up
5939433	7258323	1518476	complement component 1, r subcomponent	C1r	312705	5,85	up
5988892	7258323	1518482	complement component 1, r subcomponent	C1r	312705	3,59	up
6016803	7258323	1518474	complement component 1, r subcomponent	C1r	312705	1,01	up
6080797	7258323	1518480	complement component 1, r subcomponent	C1r	312705	6,86	up
6104957	7258323	1518478	complement component 1, r subcomponent	C1r	312705	12,73	up
6317247	7258323	1518481	complement component 1, r subcomponent	C1r	312705	1,32	down
6324241	7258323	1518475	complement component 1, r subcomponent	C1r	312705	7,87	up
6326421	7258323	1518477	complement component 1, r subcomponent	C1r	312705	3,16	up
6706790	7258323	1518479	complement component 1, r subcomponent	C1r	312705	1,07	up
6707899	7258323	1518477	complement component 1, r subcomponent	C1r	312705	2,09	up
5647304	7269448	1545877	complement component 1, s subcomponent	C1s	192262	1,23	up
5662949	7269448	1545882	complement component 1, s subcomponent	C1s	192262	1,88	up
5678326	7269448	1545876	complement component 1, s subcomponent	C1s	192262	1,10	up
5827223	7269448	1545879	complement component 1, s subcomponent	C1s	192262	1,52	up
5851904	7269448	1545875	complement component 1, s subcomponent	C1s	192262	1,06	up
6074943	7269448	1545881	complement component 1, s subcomponent	C1s	192262	2,44	up
6128130	7269448	1545883	complement component 1, s subcomponent	C1s	192262	2,37	up
6139849	7269448	1545885	complement component 1, s subcomponent	C1s	192262	1,84	down
6281501	7269448	1545884	complement component 1, s subcomponent	C1s	192262	2,31	up
6313085	7269448	1545880	complement component 1, s subcomponent	C1s	192262	2,62	down
6394600	7269448	1545886	complement component 1, s subcomponent	C1s	192262	3,82	down
6471210	7269448	1545878	complement component 1, s subcomponent	C1s	192262	1,38	up
6625463	7269448	1545874	complement component 1, s subcomponent	C1s	192262	2,06	down
5636418	7371642	1800632	complement component 3	C3	24232	3,47	up
5658858	7371642	1800596	complement component 3	C3	24232	4,48	down
5662068	7371642	1800612	complement component 3	C3	24232	1,22	up
5696544	7371642	1800603	complement component 3	C3	24232	2,87	down
5729810	7371642	1800611	complement component 3	C3	24232	1,55	up
5746009	7371642	1800625	complement component 3	C3	24232	1,53	down
5796343	7371642	1800621	complement component 3	C3	24232	1,14	down
5800464	7371642	1800638	complement component 3	C3	24232	1,76	down
5830932	7371642	1800602	complement component 3	C3	24232	1,79	down
5880442	7371642	1800610	complement component 3	C3	24232	1,00	down
5880554	7371642	1800614	complement component 3	C3	24232	1,43	up
5883192	7371642	1800613	complement component 3	C3	24232	1,31	up
5919926	7371642	1800597	complement component 3	C3	24232	2,57	down
5948670	7371642	1800623	complement component 3	C3	24232	1,36	up
5956845	7371642	1800601	complement component 3	C3	24232	1,62	down
5977363	7371642	1800599	complement component 3	C3	24232	1,04	up
6025551	7371642	1800636	complement component 3	C3	24232	1,05	up
6060260	7371642	1800615	complement component 3	C3	24232	1,06	down
6073825	7371642	1800635	complement component 3	C3	24232	1,75	up
6122202	7371642	1800616	complement component 3	C3	24232	1,73	down
6145714	7371642	1800604	complement component 3	C3	24232	2,63	down
6151612	7371642	1800600	complement component 3	C3	24232	1,64	down
6186298	7371642	1800616	complement component 3	C3	24232	1,35	up
6253972	7371642	1800629	complement component 3	C3	24232	2,29	up

6267262	7371642	1800635	complement component 3	C3	24232	1,52	up
6274947	7371642	1800627	complement component 3	C3	24232	1,51	up
6287600	7371642	1800619	complement component 3	C3	24232	1,78	up
6358673	7371642	1800630	complement component 3	C3	24232	2,09	up
6373041	7371642	1800638	complement component 3	C3	24232	2,88	down
6388324	7371642	1800618	complement component 3	C3	24232	1,34	down
6392367	7371642	1800622	complement component 3	C3	24232	1,04	up
6437265	7371642	1800624	complement component 3	C3	24232	1,22	up
6442401	7371642	1800621	complement component 3	C3	24232	3,53	down
6472422	7371642	1800605	complement component 3	C3	24232	2,24	down
6543043	7371642	1800610	complement component 3	C3	24232	1,10	up
6573373	7371642	1800620	complement component 3	C3	24232	1,59	down
6579413	7371642	1800628	complement component 3	C3	24232	1,42	up
6618475	7371642	1800606	complement component 3	C3	24232	2,22	down
6620119	7371642	1800626	complement component 3	C3	24232	1,73	down
6666543	7371642	1800633	complement component 3	C3	24232	1,31	up
6670916	7371642	1800608	complement component 3	C3	24232	1,17	down
6699431	7371642	1800631	complement component 3	C3	24232	2,71	up
6700008	7371642	1800607	complement component 3	C3	24232	1,82	down
6703436	7371642	1800617	complement component 3	C3	24232	1,23	up
6723575	7371642	1800598	complement component 3	C3	24232	1,02	down
5646665	7216846	1414834	complement component 4, gene 2	C4-2	406161	1,55	down
5685910	7216846	1414831	complement component 4, gene 2	C4-2	406161	1,27	up
5764124	7216846	1414836	complement component 4, gene 2	C4-2	406161	1,36	up
5780503	7216846	1414844	complement component 4, gene 2	C4-2	406161	1,06	up
5842307	7216846	1414825	complement component 4, gene 2	C4-2	406161	1,47	down
5852269	7216846	1414841	complement component 4, gene 2	C4-2	406161	1,26	down
5884262	7216846	1414826	complement component 4, gene 2	C4-2	406161	1,21	down
5985208	7216846	1414848	complement component 4, gene 2	C4-2	406161	1,15	down
6013601	7216846	1414833	complement component 4, gene 2	C4-2	406161	1,19	up
6017279	7216846	1414855	complement component 4, gene 2	C4-2	406161	1,11	down
6019612	7216846	1414838	complement component 4, gene 2	C4-2	406161	1,08	up
6055132	7216846	1414851	complement component 4, gene 2	C4-2	406161	1,67	down
6070322	7216846	1414830	complement component 4, gene 2	C4-2	406161	1,02	down
6088898	7216846	1414828	complement component 4, gene 2	C4-2	406161	1,09	up
6125807	7216846	1414856	complement component 4, gene 2	C4-2	406161	1,56	down
6131142	7216846	1414852	complement component 4, gene 2	C4-2	406161	1,18	up
6171194	7216846	1414839	complement component 4, gene 2	C4-2	406161	1,15	up
6181092	7216846	1414836	complement component 4, gene 2	C4-2	406161	1,12	down
6211716	7216846	1414835	complement component 4, gene 2	C4-2	406161	1,27	up
6259100	7216846	1414849	complement component 4, gene 2	C4-2	406161	1,16	down
6277520	7216846	1414845	complement component 4, gene 2	C4-2	406161	1,00	up
6291738	7216846	1414847	complement component 4, gene 2	C4-2	406161	1,50	up
6321117	7216846	1414857	complement component 4, gene 2	C4-2	406161	1,06	down
6377201	7216846	1414866	complement component 4, gene 2	C4-2	406161	1,06	down
6443388	7216846	1414854	complement component 4, gene 2	C4-2	406161	1,20	up
6490291	7216846	1414843	complement component 4, gene 2	C4-2	406161	1,22	up
6554026	7216846	1414835	complement component 4, gene 2	C4-2	406161	1,05	down
6557964	7216846	1414837	complement component 4, gene 2	C4-2	406161	1,06	down
6584661	7216846	1414850	complement component 4, gene 2	C4-2	406161	1,07	up
6597308	7216846	1414854	complement component 4, gene 2	C4-2	406161	1,01	down
6598682	7216846	1414842	complement component 4, gene 2	C4-2	406161	1,01	down
6638389	7216846	1414827	complement component 4, gene 2	C4-2	406161	1,47	down
6677569	7216846	1414862	complement component 4, gene 2	C4-2	406161	1,23	down
6737081	7216846	1414829	complement component 4, gene 2	C4-2	406161	1,03	up
6741065	7216846	1414840	complement component 4, gene 2	C4-2	406161	1,02	up

6742332	7216846	1414832	complement component 4, gene 2	C4-2	406161	1,17	down
6742395	7216846	1414846	complement component 4, gene 2	C4-2	406161	1,08	up
5661776	7216846	1414822	complement component 4B (Childo blood group)	C4b	24233	1,07	up
5774193	7216846	1414815	complement component 4B (Childo blood group)	C4b	24233	1,18	up
5814917	7216846	1414811	complement component 4B (Childo blood group)	C4b	24233	1,40	up
5836738	7216846	1414803	complement component 4B (Childo blood group)	C4b	24233	1,17	up
5870052	7216846	1414824	complement component 4B (Childo blood group)	C4b	24233	1,28	up
5870590	7216846	1414823	complement component 4B (Childo blood group)	C4b	24233	1,69	down
5879439	7216846	1414797	complement component 4B (Childo blood group)	C4b	24233	1,25	down
6013399	7216846	1414795	complement component 4B (Childo blood group)	C4b	24233	1,00	up
6018639	7216846	1414812	complement component 4B (Childo blood group)	C4b	24233	2,61	up
6019361	7216846	1414807	complement component 4B (Childo blood group)	C4b	24233	1,22	down
6020520	7216846	1414810	complement component 4B (Childo blood group)	C4b	24233	1,05	down
6033530	7216846	1414817	complement component 4B (Childo blood group)	C4b	24233	1,28	down
6039641	7216846	1414823	complement component 4B (Childo blood group)	C4b	24233	1,38	down
6048048	7216846	1414804	complement component 4B (Childo blood group)	C4b	24233	1,17	down
6067960	7216846	1414818	complement component 4B (Childo blood group)	C4b	24233	1,13	up
6085071	7216846	1414853	complement component 4B (Childo blood group)	C4b	24233	1,32	up
6093198	7216846	1414804	complement component 4B (Childo blood group)	C4b	24233	1,16	down
6140649	7216846	1414819	complement component 4B (Childo blood group)	C4b	24233	1,28	down
6220837	7216846	1414793	complement component 4B (Childo blood group)	C4b	24233	1,44	up
6252651	7216846	1414799	complement component 4B (Childo blood group)	C4b	24233	1,43	up
6272956	7216846	1414794	complement component 4B (Childo blood group)	C4b	24233	1,52	down
6315178	7216846	1414798	complement component 4B (Childo blood group)	C4b	24233	1,77	down
6318031	7216846	1414806	complement component 4B (Childo blood group)	C4b	24233	1,00	up
6338086	7216846	1414805	complement component 4B (Childo blood group)	C4b	24233	1,07	down
6348486	7216846	1414816	complement component 4B (Childo blood group)	C4b	24233	1,03	up
6400370	7216846	1414813	complement component 4B (Childo blood group)	C4b	24233	1,19	up
6413806	7216846	1414821	complement component 4B (Childo blood group)	C4b	24233	1,92	down
6461920	7216846	1414796	complement component 4B (Childo blood group)	C4b	24233	1,53	down
6496230	7216846	1414800	complement component 4B (Childo blood group)	C4b	24233	1,18	up
6522778	7216846	1414808	complement component 4B (Childo blood group)	C4b	24233	1,21	down
6547728	7216846	1414809	complement component 4B (Childo blood group)	C4b	24233	1,20	up
6574067	7216846	1414820	complement component 4B (Childo blood group)	C4b	24233	1,07	down
6659516	7216846	1414803	complement component 4B (Childo blood group)	C4b	24233	1,39	down
6715430	7216846	1414802	complement component 4B (Childo blood group)	C4b	24233	1,13	up
6717136	7216846	1414814	complement component 4B (Childo blood group)	C4b	24233	1,06	up
6733392	7216846	1414801	complement component 4B (Childo blood group)	C4b	24233	1,14	down
5713537	7216846	1414859	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,44	up
6050818	7216846	1414863	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,20	up
6113488	7216846	1414867	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,19	down
6222597	7216846	1414864	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,17	up
6405850	7216846	1414865	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,11	up
6420517	7216846	1414865	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,27	up
6512059	7216846	1414861	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,48	down
6548600	7216846	1414860	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,08	down
6599354	7216846	1414858	complement component 4B (Childo blood group) /// complement component 4, ge	C4b /// C4-2	24233 /// 406161	1,23	up
5791055	7190247	1350358	complement component 6	C6	24237	1,14	down
5841437	7190247	1350357	complement component 6	C6	24237	1,22	down
5902509	7190247	1350351	complement component 6	C6	24237	1,21	down
5911154	7190247	1350364	complement component 6	C6	24237	1,06	down
5948975	7190247	1350351	complement component 6	C6	24237	1,07	up
5958499	7190247	1350359	complement component 6	C6	24237	1,70	down
5992500	7190247	1350363	complement component 6	C6	24237	1,33	down
6000529	7190247	1350360	complement component 6	C6	24237	1,15	up
6061421	7190247	1350352	complement component 6	C6	24237	1,28	up

6285968	7190247	1350356	complement component 6	C6	24237	1,41	up
6322297	7190247	1350364	complement component 6	C6	24237	1,04	down
6430614	7190247	1350353	complement component 6	C6	24237	1,15	up
6441280	7190247	1350355	complement component 6	C6	24237	1,23	up
6490200	7190247	1350354	complement component 6	C6	24237	1,19	up
6543200	7190247	1350361	complement component 6	C6	24237	2,48	down
6570696	7190247	1350348	complement component 6	C6	24237	1,31	up
6630455	7190247	1350362	complement component 6	C6	24237	1,48	down
6707558	7190247	1350350	complement component 6	C6	24237	1,86	up
6743004	7190247	1350349	complement component 6	C6	24237	1,13	down
5652522	7216827	1414729	complement factor B	Cfb	294257	1,16	down
5691292	7216827	1414737	complement factor B	Cfb	294257	1,99	down
5699059	7216827	1414725	complement factor B	Cfb	294257	4,06	up
5767205	7216827	1414724	complement factor B	Cfb	294257	1,09	up
5863118	7216827	1414728	complement factor B	Cfb	294257	1,28	up
5863568	7216827	1414726	complement factor B	Cfb	294257	1,64	up
5864041	7216827	1414738	complement factor B	Cfb	294257	1,40	down
5890415	7216827	1414736	complement factor B	Cfb	294257	1,21	up
6017147	7216827	1414727	complement factor B	Cfb	294257	1,44	up
6109212	7216827	1414739	complement factor B	Cfb	294257	1,37	down
6203562	7216827	1414730	complement factor B	Cfb	294257	1,72	up
6204347	7216827	1414735	complement factor B	Cfb	294257	1,76	up
6255092	7216827	1414734	complement factor B	Cfb	294257	1,93	up
6322803	7216827	1414742	complement factor B	Cfb	294257	1,43	down
6500281	7216827	1414741	complement factor B	Cfb	294257	1,42	down
6531000	7216827	1414733	complement factor B	Cfb	294257	1,05	down
6617986	7216827	1414731	complement factor B	Cfb	294257	1,41	down
6703420	7216827	1414732	complement factor B	Cfb	294257	1,00	up
6733349	7216827	1414740	complement factor B	Cfb	294257	1,20	down
5679301	7111837	1156832	complement factor H	Cfh	155012	1,21	up
5694442	7111837	1156841	complement factor H	Cfh	155012	2,11	up
5720825	7111837	1156822	complement factor H	Cfh	155012	1,07	up
5787585	7111837	1156822	complement factor H	Cfh	155012	1,79	down
5790211	7111837	1156838	complement factor H	Cfh	155012	1,52	down
5825914	7111837	1156826	complement factor H	Cfh	155012	1,00	up
5832455	7111837	1156823	complement factor H	Cfh	155012	1,11	down
5938652	7111837	1156829	complement factor H	Cfh	155012	1,19	up
6010821	7111837	1156831	complement factor H	Cfh	155012	1,08	down
6011586	7111837	1156836	complement factor H	Cfh	155012	1,17	down
6111157	7111837	1156825	complement factor H	Cfh	155012	1,48	down
6134821	7111837	1156828	complement factor H	Cfh	155012	1,10	up
6139763	7111837	1156835	complement factor H	Cfh	155012	1,84	up
6142913	7111837	1156828	complement factor H	Cfh	155012	1,00	up
6256474	7111837	1156832	complement factor H	Cfh	155012	1,44	up
6262563	7111837	1156834	complement factor H	Cfh	155012	1,02	up
6322516	7111837	1156833	complement factor H	Cfh	155012	1,11	up
6412837	7111837	1156842	complement factor H	Cfh	155012	1,38	down
6449067	7111837	1156830	complement factor H	Cfh	155012	1,26	up
6458420	7111837	1156837	complement factor H	Cfh	155012	1,09	down
6458965	7111837	1156822	complement factor H	Cfh	155012	1,61	up
6494260	7111837	1156840	complement factor H	Cfh	155012	1,15	down
6509996	7111837	1156839	complement factor H	Cfh	155012	1,12	up
6514839	7111837	1156827	complement factor H	Cfh	155012	1,11	down
6562356	7111837	1156843	complement factor H	Cfh	155012	1,57	down
6708680	7111837	1156824	complement factor H	Cfh	155012	1,05	up
5625822	7208606	1395663	component of oligomeric golgi complex 6	Cog6	310411	1,32	down

5695191	7208606	1395662	component of oligomeric golgi complex 6	Cog6	310411	1,35	up
5752684	7208606	1395668	component of oligomeric golgi complex 6	Cog6	310411	1,01	down
5818290	7208606	1395668	component of oligomeric golgi complex 6	Cog6	310411	1,16	up
5821356	7208606	1395669	component of oligomeric golgi complex 6	Cog6	310411	1,11	down
5845124	7208606	1395675	component of oligomeric golgi complex 6	Cog6	310411	1,14	down
5878458	7208606	1395666	component of oligomeric golgi complex 6	Cog6	310411	1,52	down
5951721	7208606	1395657	component of oligomeric golgi complex 6	Cog6	310411	1,10	up
6009461	7208606	1395661	component of oligomeric golgi complex 6	Cog6	310411	1,51	down
6039078	7208606	1395660	component of oligomeric golgi complex 6	Cog6	310411	1,08	down
6049393	7208606	1395664	component of oligomeric golgi complex 6	Cog6	310411	1,02	up
6199742	7208606	1395662	component of oligomeric golgi complex 6	Cog6	310411	1,08	down
6243368	7208606	1395665	component of oligomeric golgi complex 6	Cog6	310411	1,06	down
6261889	7208606	1395673	component of oligomeric golgi complex 6	Cog6	310411	1,02	down
6322325	7208606	1395674	component of oligomeric golgi complex 6	Cog6	310411	1,32	up
6328162	7208606	1395667	component of oligomeric golgi complex 6	Cog6	310411	1,05	down
6486844	7208606	1395671	component of oligomeric golgi complex 6	Cog6	310411	1,23	up
6555663	7208606	1395658	component of oligomeric golgi complex 6	Cog6	310411	1,04	down
6565991	7208606	1395659	component of oligomeric golgi complex 6	Cog6	310411	1,72	down
6586072	7208606	1395676	component of oligomeric golgi complex 6	Cog6	310411	1,12	up
6674486	7208606	1395670	component of oligomeric golgi complex 6	Cog6	310411	1,04	up
6742409	7208606	1395672	component of oligomeric golgi complex 6	Cog6	310411	2,12	down
5660222	7291853	1600984	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,50	up
5677930	7291853	1600980	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,06	up
5688834	7291853	1600983	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,34	up
5754231	7291853	1600972	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,37	up
5828963	7291853	1600988	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,46	down
5872274	7291853	1600970	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,35	down
5908146	7291853	1600981	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,05	up
5947431	7291853	1600987	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,27	up
6096448	7291853	1600969	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,19	down
6228396	7291853	1600974	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,45	up
6238097	7291853	1600982	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,02	up
6251706	7291853	1600980	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,63	down
6255225	7291853	1600968	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,35	down
6256244	7291853	1600976	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	2,20	down
6306655	7291853	1600989	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,32	down
6345658	7291853	1600972	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,26	up
6350990	7291853	1600979	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,05	down
6373327	7291853	1600975	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,29	up
6417083	7291853	1600976	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,59	up
6423065	7291853	1600986	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,31	up
6525366	7291853	1600973	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,13	down
6531699	7291853	1600982	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,11	up
6539887	7291853	1600985	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,11	down
6550348	7291853	1600978	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,36	up
6612787	7291853	1600971	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	1,09	up
5663930	7374954	1809274	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,67	up
5674325	7374954	1809270	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,09	down
5716588	7374954	1809255	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,03	up
5768179	7374954	1809255	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,03	up
5795514	7374954	1809267	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,05	down
5868911	7374954	1809261	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,00	down
5925509	7374954	1809269	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,27	up
5950414	7374954	1809256	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,20	down
5999166	7374954	1809277	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,41	down

6024800	7374954	1809263	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,27	up
6081419	7374954	1809275	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,09	up
6095373	7374954	1809258	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,08	up
6195527	7374954	1809276	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,06	up
6242843	7374954	1809271	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,14	up
6333084	7374954	1809259	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,10	up
6373803	7374954	1809264	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	2,11	down
6390515	7374954	1809260	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,27	down
6392583	7374954	1809255	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,30	down
6439988	7374954	1809257	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,15	down
6468355	7374954	1809262	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,06	up
6487675	7374954	1809274	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,58	down
6514777	7374954	1809268	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,16	down
6540582	7374954	1809266	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,00	up
6545090	7374954	1809265	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,02	up
6613127	7374954	1809272	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,17	up
6622052	7374954	1809273	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,30	down
6666458	7374954	1809255	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,10	up
6723794	7374954	1809275	connector enhancer of kinase suppressor of Ras 2	Cnksr2	59322	1,41	up
5629706	7181169	1328123	contactin associated protein-like 4	Cntnap4	307865	1,15	down
5723172	7181169	1328109	contactin associated protein-like 4	Cntnap4	307865	1,72	up
5728860	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,83	down
5768509	7181169	1328128	contactin associated protein-like 4	Cntnap4	307865	1,12	up
5815719	7181169	1328130	contactin associated protein-like 4	Cntnap4	307865	1,04	up
5831325	7181169	1328145	contactin associated protein-like 4	Cntnap4	307865	1,38	down
5837255	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,21	up
5860068	7181169	1328152	contactin associated protein-like 4	Cntnap4	307865	1,20	up
6064086	7181169	1328131	contactin associated protein-like 4	Cntnap4	307865	1,10	up
6137767	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,08	up
6203967	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,36	down
6219205	7181169	1328146	contactin associated protein-like 4	Cntnap4	307865	1,03	up
6242869	7181169	1328144	contactin associated protein-like 4	Cntnap4	307865	1,20	up
6278061	7181169	1328135	contactin associated protein-like 4	Cntnap4	307865	2,26	down
6280618	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,12	down
6283530	7181169	1328136	contactin associated protein-like 4	Cntnap4	307865	1,25	down
6331423	7181169	1328139	contactin associated protein-like 4	Cntnap4	307865	1,05	up
6423952	7181169	1328155	contactin associated protein-like 4	Cntnap4	307865	1,37	down
6446547	7181169	1328109	contactin associated protein-like 4	Cntnap4	307865	1,19	up
6483796	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,40	up
6494872	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,35	up
6531626	7181169	1328104	contactin associated protein-like 4	Cntnap4	307865	1,01	down
6544606	7181169	1328147	contactin associated protein-like 4	Cntnap4	307865	1,03	down
6557300	7181169	1328154	contactin associated protein-like 4	Cntnap4	307865	1,22	up
6557470	7181169	1328151	contactin associated protein-like 4	Cntnap4	307865	1,67	up
6565042	7181169	1328092	contactin associated protein-like 4	Cntnap4	307865	1,05	up
6596713	7181169	1328135	contactin associated protein-like 4	Cntnap4	307865	1,12	up
6655280	7181169	1328159	contactin associated protein-like 4	Cntnap4	307865	1,06	down
6673440	7181169	1328158	contactin associated protein-like 4	Cntnap4	307865	1,17	down
6696761	7181169	1328139	contactin associated protein-like 4	Cntnap4	307865	1,24	down
6701351	7181169	1328140	contactin associated protein-like 4	Cntnap4	307865	1,69	down
6728483	7181169	1328142	contactin associated protein-like 4	Cntnap4	307865	1,18	down
5639986	7244305	1484200	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,11	down
5734026	7244305	1484191	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,20	up
5792227	7244305	1484194	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,15	up
5810307	7244305	1484195	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,04	down
5864918	7244305	1484197	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,17	up

5895362	7244305	1484204	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,49	up
5931559	7244305	1484203	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,32	up
5964083	7244305	1484192	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,26	up
6023621	7244305	1484191	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,27	up
6120453	7244305	1484202	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,13	down
6176090	7244305	1484204	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,05	down
6270337	7244305	1484199	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	2,33	down
6443645	7244305	1484191	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,06	up
6462266	7244305	1484201	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,42	down
6513582	7244305	1484198	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,23	down
6609263	7244305	1484198	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,12	up
6647175	7244305	1484196	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,14	down
6689798	7244305	1484193	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,23	up
5690459	7357103	1762388	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,00	down
5830749	7357103	1762384	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,26	up
5944346	7357103	1762389	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,03	down
6067645	7357103	1762385	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,15	down
6325599	7357103	1762390	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,02	down
6338538	7357103	1762389	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,21	down
6404726	7357103	1762394	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,02	up
6495145	7357103	1762382	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,06	up
6528361	7357103	1762393	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	Cops7b	363273	1,11	down
5644923	7357566	1763487	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,16	down
5721887	7357566	1763484	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,19	up
5725071	7357566	1763483	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,21	up
6079213	7357566	1763486	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,01	up
6212946	7357566	1763488	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,84	down
6299852	7357566	1763489	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,00	down
6476699	7357566	1763482	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,47	up
6722881	7357566	1763490	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	Cops8	363283	1,09	up
5657105	7221247	1425828	copine V	Cpne5	309650	1,03	down
5665260	7221247	1425822	copine V	Cpne5	309650	1,09	up
5666095	7221247	1425826	copine V	Cpne5	309650	1,06	up
5694507	7221247	1425834	copine V	Cpne5	309650	1,19	down
5694792	7221247	1425832	copine V	Cpne5	309650	1,17	down
5847396	7221247	1425824	copine V	Cpne5	309650	2,41	down
5849632	7221247	1425855	copine V	Cpne5	309650	1,02	up
5872218	7221247	1425857	copine V	Cpne5	309650	1,28	up
5933717	7221247	1425829	copine V	Cpne5	309650	1,23	down
5994404	7221247	1425843	copine V	Cpne5	309650	1,03	up
6016973	7221247	1425823	copine V	Cpne5	309650	1,13	up
6117061	7221247	1425846	copine V	Cpne5	309650	1,25	up
6164742	7221247	1425825	copine V	Cpne5	309650	1,37	up
6167722	7221247	1425849	copine V	Cpne5	309650	1,04	up
6249877	7221247	1425847	copine V	Cpne5	309650	1,02	down
6284701	7221247	1425848	copine V	Cpne5	309650	1,01	down
6387666	7221247	1425837	copine V	Cpne5	309650	1,57	up
6499257	7221247	1425857	copine V	Cpne5	309650	1,19	down
6540743	7221247	1425839	copine V	Cpne5	309650	1,40	up
6579562	7221247	1425856	copine V	Cpne5	309650	1,04	down
6601499	7221247	1425838	copine V	Cpne5	309650	1,27	down
6616394	7221247	1425836	copine V	Cpne5	309650	1,01	up
6722972	7221247	1425827	copine V	Cpne5	309650	1,04	down
6743255	7221247	1425830	copine V	Cpne5	309650	1,02	up
5783517	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	2,47	up
5836618	7092406	1108786	coproporphyrinogen oxidase	Cpox	304024	1,26	up

5914146	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,13	up
6022817	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,30	down
6033506	7092406	1108787	coproporphyrinogen oxidase	Cpox	304024	1,31	up
6265748	7092406	1108784	coproporphyrinogen oxidase	Cpox	304024	1,24	down
6360382	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,02	down
6502964	7092406	1108781	coproporphyrinogen oxidase	Cpox	304024	1,01	down
6600575	7092406	1108789	coproporphyrinogen oxidase	Cpox	304024	1,42	down
6626043	7092406	1108788	coproporphyrinogen oxidase	Cpox	304024	1,05	down
6708816	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,24	down
5797576	7234195	1458968	core-binding factor, runt domain, alpha subunit 2, translocated to, 2 (human)	Cbfa2t2	296293	1,30	down
6157854	7234195	1458981	core-binding factor, runt domain, alpha subunit 2, translocated to, 2 (human)	Cbfa2t2	296293	1,15	down
6543535	7234195	1458968	core-binding factor, runt domain, alpha subunit 2, translocated to, 2 (human)	Cbfa2t2	296293	1,13	down
5700184	7099030	1125328	coronin, actin binding protein 1C	Coro1c	501841	1,11	down
5718356	7099030	1125350	coronin, actin binding protein 1C	Coro1c	501841	1,22	up
5759845	7099030	1125351	coronin, actin binding protein 1C	Coro1c	501841	1,36	up
5851327	7099030	1125352	coronin, actin binding protein 1C	Coro1c	501841	1,56	up
6124839	7099030	1125349	coronin, actin binding protein 1C	Coro1c	501841	1,35	up
6226392	7099030	1125347	coronin, actin binding protein 1C	Coro1c	501841	1,25	up
6261530	7099030	1125348	coronin, actin binding protein 1C	Coro1c	501841	1,19	up
6353587	7099030	1125356	coronin, actin binding protein 1C	Coro1c	501841	1,16	up
6391024	7099030	1125354	coronin, actin binding protein 1C	Coro1c	501841	1,01	down
6455606	7099030	1125334	coronin, actin binding protein 1C	Coro1c	501841	1,66	up
6511935	7099030	1125356	coronin, actin binding protein 1C	Coro1c	501841	1,33	down
6630147	7099030	1125355	coronin, actin binding protein 1C	Coro1c	501841	1,09	up
5619509	7285914	1586705	coronin, actin binding protein 2A	Coro2a	313235	1,28	up
5690300	7285914	1586704	coronin, actin binding protein 2A	Coro2a	313235	1,17	down
5731467	7285914	1586703	coronin, actin binding protein 2A	Coro2a	313235	1,41	up
5935402	7285914	1586707	coronin, actin binding protein 2A	Coro2a	313235	1,04	up
6086227	7285914	1586702	coronin, actin binding protein 2A	Coro2a	313235	1,05	down
6240812	7285914	1586709	coronin, actin binding protein 2A	Coro2a	313235	2,31	down
6382835	7285914	1586708	coronin, actin binding protein 2A	Coro2a	313235	1,22	down
6404530	7285914	1586712	coronin, actin binding protein 2A	Coro2a	313235	1,21	down
6433628	7285914	1586711	coronin, actin binding protein 2A	Coro2a	313235	1,21	down
6549339	7285914	1586710	coronin, actin binding protein 2A	Coro2a	313235	1,32	up
6635686	7285914	1586706	coronin, actin binding protein 2A	Coro2a	313235	1,43	down
6698642	7285914	1586713	coronin, actin binding protein 2A	Coro2a	313235	1,34	up
5774226	7072608	1062297	corticotropin releasing hormone receptor 1	Crhr1	58959	1,37	up
5774943	7072608	1062301	corticotropin releasing hormone receptor 1	Crhr1	58959	1,09	up
5792423	7072608	1062306	corticotropin releasing hormone receptor 1	Crhr1	58959	1,95	down
5836942	7072608	1062298	corticotropin releasing hormone receptor 1	Crhr1	58959	1,15	down
5915164	7072608	1062307	corticotropin releasing hormone receptor 1	Crhr1	58959	1,11	down
5982311	7072608	1062304	corticotropin releasing hormone receptor 1	Crhr1	58959	1,00	up
6042126	7072608	1062299	corticotropin releasing hormone receptor 1	Crhr1	58959	1,58	up
6054437	7072608	1062303	corticotropin releasing hormone receptor 1	Crhr1	58959	1,27	up
6096386	7072608	1062300	corticotropin releasing hormone receptor 1	Crhr1	58959	1,82	down
6221617	7072608	1062309	corticotropin releasing hormone receptor 1	Crhr1	58959	1,08	down
6349628	7072608	1062297	corticotropin releasing hormone receptor 1	Crhr1	58959	1,45	down
6361070	7072608	1062305	corticotropin releasing hormone receptor 1	Crhr1	58959	1,42	down
6620080	7072608	1062302	corticotropin releasing hormone receptor 1	Crhr1	58959	1,11	up
6649024	7072608	1062298	corticotropin releasing hormone receptor 1	Crhr1	58959	1,53	down
6699101	7072608	1062308	corticotropin releasing hormone receptor 1	Crhr1	58959	1,04	up
5708086	7186220	1340760	COX4 neighbor	Cox4nb	361425	1,67	down
5802729	7186220	1340758	COX4 neighbor	Cox4nb	361425	2,20	up
6059417	7186220	1340757	COX4 neighbor	Cox4nb	361425	1,26	up
6618905	7186220	1340759	COX4 neighbor	Cox4nb	361425	1,54	up
6651671	7186220	1340756	COX4 neighbor	Cox4nb	361425	1,00	down

6713781	7186220	1340755	COX4 neighbor	Cox4nb	361425	1,41	down
5641149	7201680	1379713	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	2,08	down
5657470	7349291	1742991	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	2,38	up
5663334	7349291	1742993	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,45	down
5732539	7201680	1379707	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,22	up
5840307	7349291	1742987	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,05	down
5883765	7201680	1379712	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,57	up
5883974	7349291	1742989	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,94	up
5887007	7349291	1742985	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,61	down
6027786	7349291	1742988	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,02	up
6030739	7349291	1742993	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,13	down
6032661	7349291	1742986	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,09	down
6079264	7201680	1379708	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,50	up
6167900	7201680	1379711	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	2,32	down
6191974	7349291	1742989	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,08	up
6196586	7201680	1379710	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,45	up
6257228	7201680	1379710	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,17	up
6275393	7201680	1379713	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,65	down
6343712	7349291	1742992	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,58	down
6379113	7201680	1379711	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,86	up
6435729	7201680	1379706	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,09	up
6441128	7349291	1742987	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,46	up
6453001	7349291	1742990	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,47	up
6455067	7349291	1742992	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,03	down
6566328	7201680	1379712	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,80	down
6666741	7201680	1379709	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,21	up
6686443	7201680	1379712	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,25	up
6718476	7201680	1379708	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,63	down
5621815	7310704	1649083	creatine kinase, brain	Ckb	24264	1,00	down
5659771	7310704	1649077	creatine kinase, brain	Ckb	24264	1,31	up
5751934	7310704	1649085	creatine kinase, brain	Ckb	24264	2,04	up
5910869	7310704	1649081	creatine kinase, brain	Ckb	24264	1,82	up
5987828	7310704	1649078	creatine kinase, brain	Ckb	24264	1,20	down
6088000	7310704	1649082	creatine kinase, brain	Ckb	24264	1,50	up
6113931	7310704	1649084	creatine kinase, brain	Ckb	24264	1,12	down
6394200	7310704	1649079	creatine kinase, brain	Ckb	24264	1,10	down
6487385	7310704	1649078	creatine kinase, brain	Ckb	24264	1,34	down
6502513	7310704	1649080	creatine kinase, brain	Ckb	24264	1,01	down
6085029	7303515	1630947	crooked neck pre-mRNA splicing factor-like 1 (Drosophila)	Crnk1l	116481	1,70	up
6108128	7303515	1630947	crooked neck pre-mRNA splicing factor-like 1 (Drosophila)	Crnk1l	116481	1,04	down
6719923	7303515	1630946	crooked neck pre-mRNA splicing factor-like 1 (Drosophila)	Crnk1l	116481	2,28	down
5651222	7223099	1430251	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,41	down
5710332	7223099	1430270	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,47	up
5716139	7223099	1430236	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,27	up
5720500	7223099	1430265	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,01	up
5758969	7223099	1430243	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,62	up
5765954	7223099	1430250	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,08	down
5779078	7223099	1430260	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,03	down
5785978	7223099	1430233	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,28	up
5795893	7223099	1430276	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,05	up
5796502	7223099	1430239	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,17	up
5832760	7223099	1430249	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,04	up
5868551	7223099	1430234	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,31	down
5899855	7223099	1430262	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,06	up
5909310	7223099	1430256	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,21	down
5963184	7223099	1430251	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,10	up

5986258	7223099	1430255	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,07	up
6002676	7223099	1430265	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,20	down
6011728	7223099	1430271	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,43	up
6014631	7223099	1430275	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,58	up
6016597	7223099	1430252	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,20	down
6017153	7223099	1430254	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,37	down
6021603	7223099	1430235	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,18	down
6028324	7223099	1430247	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,16	down
6043500	7223099	1430269	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,21	up
6061898	7223099	1430245	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,17	down
6075525	7223099	1430258	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,29	down
6090587	7223099	1430232	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,29	up
6096575	7223099	1430266	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,28	down
6105935	7223099	1430242	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,42	up
6111816	7223099	1430251	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,58	up
6120217	7223099	1430237	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,10	up
6132096	7223099	1430248	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,07	up
6134363	7223099	1430261	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,07	up
6134962	7223099	1430278	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,30	up
6158010	7223099	1430244	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,03	down
6175372	7223099	1430255	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,49	down
6189538	7223099	1430238	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,16	up
6199623	7223099	1430246	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,20	down
6272592	7223099	1430259	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,42	down
6286198	7223099	1430241	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,17	up
6287082	7223099	1430278	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,34	up
6335329	7223099	1430257	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,43	down
6339167	7223099	1430266	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,02	down
6349470	7223099	1430240	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,03	down
6350905	7223099	1430248	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,00	down
6357837	7223099	1430271	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,44	up
6474206	7223099	1430268	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,34	up
6488595	7223099	1430264	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,18	down
6491505	7223099	1430258	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,10	down
6564361	7223099	1430272	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,56	up
6576821	7223099	1430253	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,44	up
6578017	7223099	1430267	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,25	down
6621580	7223099	1430273	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,10	up
6664303	7223099	1430277	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,22	up
6700959	7223099	1430271	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,37	up
6729210	7223099	1430263	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,16	up
6744067	7223099	1430274	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,65	up
6372444	7233359	1456506	CSRP2 binding protein	Csrp2bp	362224	1,20	up
6423813	7233359	1456506	CSRP2 binding protein	Csrp2bp	362224	1,13	down
6497712	7233359	1456519	CSRP2 binding protein	Csrp2bp	362224	1,20	up
6729587	7233359	1456504	CSRP2 binding protein	Csrp2bp	362224	1,04	up
5678642	7177631	1318859	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,04	up
5916531	7177631	1318857	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,19	up
6016305	7177631	1318860	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,21	down
6101609	7177631	1318865	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,00	up
6118575	7177631	1318858	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,38	down
6227200	7177631	1318866	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,03	up
6241463	7177631	1318862	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,18	up
6263400	7177631	1318844	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,79	down
6285390	7177631	1318858	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,18	down
6378311	7177631	1318856	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,11	down

6461009	7177631	1318850	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	2,66	down
6629230	7177631	1318864	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,16	up
6652844	7177631	1318839	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,03	up
6654861	7177631	1318863	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,31	up
6709499	7177631	1318839	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase,	Ctdp1	291414	1,75	down
5820893	7356027	1759983	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,45	up
5862579	7356027	1759984	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,28	down
5929870	7356027	1759986	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,11	up
5945379	7356027	1759986	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,03	down
6090600	7356027	1759987	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,09	down
6305823	7356027	1759981	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	2,72	down
6413042	7356027	1759978	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,20	up
6439126	7356027	1759985	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,25	down
6721398	7356027	1759985	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosph	Ctdsp1	363249	1,12	down
5619026	7147416	1244425	CUB and Sushi multiple domains 1	Csmd1	364634	1,00	down
5625601	7147416	1244356	CUB and Sushi multiple domains 1	Csmd1	364634	1,02	up
5628114	7147416	1244478	CUB and Sushi multiple domains 1	Csmd1	364634	1,41	down
5652042	7147416	1244460	CUB and Sushi multiple domains 1	Csmd1	364634	1,24	down
5676203	7147416	1244484	CUB and Sushi multiple domains 1	Csmd1	364634	1,55	up
5689964	7147416	1244442	CUB and Sushi multiple domains 1	Csmd1	364634	1,10	up
5693080	7147416	1244422	CUB and Sushi multiple domains 1	Csmd1	364634	2,06	down
5705669	7147416	1244385	CUB and Sushi multiple domains 1	Csmd1	364634	1,27	up
5714839	7147416	1244474	CUB and Sushi multiple domains 1	Csmd1	364634	1,37	down
5737269	7147416	1244427	CUB and Sushi multiple domains 1	Csmd1	364634	1,26	down
5754750	7147416	1244487	CUB and Sushi multiple domains 1	Csmd1	364634	1,22	down
5756725	7147416	1244445	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	down
5779236	7147416	1244479	CUB and Sushi multiple domains 1	Csmd1	364634	1,12	down
5796721	7147416	1244413	CUB and Sushi multiple domains 1	Csmd1	364634	1,00	down
5831980	7147416	1244342	CUB and Sushi multiple domains 1	Csmd1	364634	1,09	down
5834947	7147416	1244398	CUB and Sushi multiple domains 1	Csmd1	364634	1,10	down
5847414	7147416	1244421	CUB and Sushi multiple domains 1	Csmd1	364634	1,08	up
5985598	7147416	1244417	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	up
6009136	7147416	1244455	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	up
6009216	7147416	1244433	CUB and Sushi multiple domains 1	Csmd1	364634	1,26	up
6009438	7147416	1244392	CUB and Sushi multiple domains 1	Csmd1	364634	1,13	down
6015131	7147416	1244488	CUB and Sushi multiple domains 1	Csmd1	364634	1,78	up
6019193	7147416	1244423	CUB and Sushi multiple domains 1	Csmd1	364634	1,00	up
6088289	7147416	1244415	CUB and Sushi multiple domains 1	Csmd1	364634	1,39	up
6092963	7147416	1244426	CUB and Sushi multiple domains 1	Csmd1	364634	1,05	down
6094296	7147416	1244481	CUB and Sushi multiple domains 1	Csmd1	364634	1,26	up
6101926	7147416	1244444	CUB and Sushi multiple domains 1	Csmd1	364634	1,30	up
6107838	7147416	1244456	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	up
6120726	7147416	1244473	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	down
6124370	7147416	1244431	CUB and Sushi multiple domains 1	Csmd1	364634	1,20	up
6125074	7147416	1244483	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	down
6142365	7147416	1244467	CUB and Sushi multiple domains 1	Csmd1	364634	1,62	up
6151390	7147416	1244425	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	up
6160265	7147416	1244389	CUB and Sushi multiple domains 1	Csmd1	364634	1,29	up
6165282	7147416	1244301	CUB and Sushi multiple domains 1	Csmd1	364634	1,02	down
6165969	7147416	1244466	CUB and Sushi multiple domains 1	Csmd1	364634	1,26	up
6170196	7147416	1244418	CUB and Sushi multiple domains 1	Csmd1	364634	1,12	down
6188051	7147416	1244470	CUB and Sushi multiple domains 1	Csmd1	364634	1,24	up
6213789	7147416	1244460	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	down
6217946	7147416	1244463	CUB and Sushi multiple domains 1	Csmd1	364634	1,39	down
6225372	7147416	1244396	CUB and Sushi multiple domains 1	Csmd1	364634	1,06	down
6279759	7147416	1244391	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	down

6310630	7147416	1244480	CUB and Sushi multiple domains 1	Csmd1	364634	2,24	down
6312234	7147416	1244419	CUB and Sushi multiple domains 1	Csmd1	364634	1,11	down
6346348	7147416	1244465	CUB and Sushi multiple domains 1	Csmd1	364634	1,43	up
6365459	7147416	1244398	CUB and Sushi multiple domains 1	Csmd1	364634	2,62	down
6395524	7147416	1244486	CUB and Sushi multiple domains 1	Csmd1	364634	1,31	up
6404690	7147416	1244389	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	down
6407081	7147416	1244430	CUB and Sushi multiple domains 1	Csmd1	364634	1,10	up
6410036	7147416	1244439	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	down
6411361	7147416	1244472	CUB and Sushi multiple domains 1	Csmd1	364634	1,24	up
6413763	7147416	1244433	CUB and Sushi multiple domains 1	Csmd1	364634	1,87	down
6431407	7147416	1244361	CUB and Sushi multiple domains 1	Csmd1	364634	1,04	up
6441125	7147416	1244288	CUB and Sushi multiple domains 1	Csmd1	364634	1,06	down
6450821	7147416	1244363	CUB and Sushi multiple domains 1	Csmd1	364634	1,55	up
6455987	7147416	1244435	CUB and Sushi multiple domains 1	Csmd1	364634	1,15	up
6461527	7147416	1244477	CUB and Sushi multiple domains 1	Csmd1	364634	1,47	down
6477735	7147416	1244448	CUB and Sushi multiple domains 1	Csmd1	364634	1,37	up
6496508	7147416	1244373	CUB and Sushi multiple domains 1	Csmd1	364634	1,24	down
6499566	7147416	1244386	CUB and Sushi multiple domains 1	Csmd1	364634	1,02	down
6499875	7147416	1244410	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	down
6500887	7147416	1244424	CUB and Sushi multiple domains 1	Csmd1	364634	1,18	up
6503846	7147416	1244402	CUB and Sushi multiple domains 1	Csmd1	364634	1,46	down
6539544	7147416	1244387	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	down
6560831	7147416	1244373	CUB and Sushi multiple domains 1	Csmd1	364634	1,06	up
6574024	7147416	1244446	CUB and Sushi multiple domains 1	Csmd1	364634	1,02	up
6576331	7147416	1244376	CUB and Sushi multiple domains 1	Csmd1	364634	1,66	down
6611353	7147416	1244351	CUB and Sushi multiple domains 1	Csmd1	364634	1,16	down
6612302	7147416	1244409	CUB and Sushi multiple domains 1	Csmd1	364634	1,25	down
6612807	7147416	1244304	CUB and Sushi multiple domains 1	Csmd1	364634	1,43	up
6630847	7147416	1244471	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	down
6667534	7147416	1244395	CUB and Sushi multiple domains 1	Csmd1	364634	1,09	down
6692858	7147416	1244441	CUB and Sushi multiple domains 1	Csmd1	364634	1,00	down
6701921	7147416	1244443	CUB and Sushi multiple domains 1	Csmd1	364634	1,84	up
6730876	7147416	1244399	CUB and Sushi multiple domains 1	Csmd1	364634	1,13	down
5628198	7372840	1803774	cullin 4B	Cul4b	302502	1,17	down
5674923	7372840	1803776	cullin 4B	Cul4b	302502	1,32	down
5676594	7372840	1803770	cullin 4B	Cul4b	302502	1,02	up
5831328	7372840	1803766	cullin 4B	Cul4b	302502	1,23	up
5868312	7372840	1803770	cullin 4B	Cul4b	302502	1,05	up
5898244	7372840	1803788	cullin 4B	Cul4b	302502	2,01	down
5898431	7372840	1803771	cullin 4B	Cul4b	302502	1,32	up
5947292	7372840	1803785	cullin 4B	Cul4b	302502	1,08	up
5949845	7372840	1803770	cullin 4B	Cul4b	302502	1,08	down
6008158	7372840	1803777	cullin 4B	Cul4b	302502	1,20	up
6016556	7372840	1803789	cullin 4B	Cul4b	302502	1,60	down
6079630	7372840	1803780	cullin 4B	Cul4b	302502	1,10	down
6087300	7372840	1803783	cullin 4B	Cul4b	302502	1,25	down
6226885	7372840	1803779	cullin 4B	Cul4b	302502	1,01	up
6310825	7372840	1803781	cullin 4B	Cul4b	302502	1,17	down
6316586	7372840	1803765	cullin 4B	Cul4b	302502	1,37	down
6347079	7372840	1803768	cullin 4B	Cul4b	302502	1,04	down
6451328	7372840	1803775	cullin 4B	Cul4b	302502	1,08	down
6451914	7372840	1803787	cullin 4B	Cul4b	302502	1,01	down
6464681	7372840	1803784	cullin 4B	Cul4b	302502	1,08	up
6481057	7372840	1803782	cullin 4B	Cul4b	302502	1,16	up
6516858	7372840	1803789	cullin 4B	Cul4b	302502	1,91	down
6585475	7372840	1803770	cullin 4B	Cul4b	302502	1,09	up

6603060	7372840	1803778	cullin 4B	Cul4b	302502	1,07	down
6624276	7372840	1803772	cullin 4B	Cul4b	302502	1,29	up
6636667	7372840	1803786	cullin 4B	Cul4b	302502	1,03	down
5658070	7098411	1123713	cut-like homeobox 2	Cux2	288665	1,52	down
5843088	7098411	1123721	cut-like homeobox 2	Cux2	288665	1,51	down
5860920	7098411	1123715	cut-like homeobox 2	Cux2	288665	1,00	up
5870698	7098411	1123709	cut-like homeobox 2	Cux2	288665	1,02	up
5895976	7098411	1123704	cut-like homeobox 2	Cux2	288665	1,53	up
5964347	7098411	1123737	cut-like homeobox 2	Cux2	288665	1,09	down
6094832	7098411	1123737	cut-like homeobox 2	Cux2	288665	1,27	down
6128077	7098411	1123722	cut-like homeobox 2	Cux2	288665	1,47	down
6146315	7098411	1123725	cut-like homeobox 2	Cux2	288665	1,20	down
6161184	7098411	1123733	cut-like homeobox 2	Cux2	288665	1,37	down
6162317	7098411	1123727	cut-like homeobox 2	Cux2	288665	1,03	down
6164123	7098411	1123714	cut-like homeobox 2	Cux2	288665	1,16	down
6167566	7098411	1123724	cut-like homeobox 2	Cux2	288665	2,74	down
6281481	7098411	1123726	cut-like homeobox 2	Cux2	288665	1,18	down
6304754	7098411	1123737	cut-like homeobox 2	Cux2	288665	1,43	up
6357094	7098411	1123713	cut-like homeobox 2	Cux2	288665	1,05	up
6362192	7098411	1123734	cut-like homeobox 2	Cux2	288665	1,02	down
6375234	7098411	1123736	cut-like homeobox 2	Cux2	288665	1,54	down
6384311	7098411	1123720	cut-like homeobox 2	Cux2	288665	1,55	down
6476481	7098411	1123726	cut-like homeobox 2	Cux2	288665	1,66	up
6525377	7098411	1123716	cut-like homeobox 2	Cux2	288665	1,03	down
6569983	7098411	1123737	cut-like homeobox 2	Cux2	288665	1,83	down
5626315	7172066	1304744	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,07	up
5676658	7172066	1304737	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,08	down
5995011	7172066	1304744	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,33	down
6025714	7172066	1304739	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,24	up
6040523	7172066	1304737	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,08	up
6105297	7172066	1304742	CXXC finger 1 (PHD domain)	Cxxc1	291440	2,11	up
6182422	7172066	1304737	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,00	up
6234080	7172066	1304744	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,24	up
6295432	7172066	1304737	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,01	up
6320665	7172066	1304744	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,00	down
6324339	7172066	1304741	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,27	down
6353563	7172066	1304740	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,21	up
6451715	7172066	1304736	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,20	up
6469974	7172066	1304734	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,23	down
6485341	7172066	1304743	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,01	up
6516684	7172066	1304744	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,04	down
6517460	7172066	1304738	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,30	up
6667422	7172066	1304738	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,21	up
6680610	7172066	1304737	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,20	down
6732281	7172066	1304735	CXXC finger 1 (PHD domain)	Cxxc1	291440	1,14	up
5643506	7353522	1753518	cyclic nucleotide gated channel alpha 3	Cnga3	85257	1,17	up
5680205	7353522	1753519	cyclic nucleotide gated channel alpha 3	Cnga3	85257	1,29	down
5989508	7353522	1753515	cyclic nucleotide gated channel alpha 3	Cnga3	85257	2,03	down
6312891	7353522	1753514	cyclic nucleotide gated channel alpha 3	Cnga3	85257	1,11	up
6413520	7353522	1753517	cyclic nucleotide gated channel alpha 3	Cnga3	85257	1,26	down
6418186	7353522	1753518	cyclic nucleotide gated channel alpha 3	Cnga3	85257	1,29	down
6588845	7353522	1753518	cyclic nucleotide gated channel alpha 3	Cnga3	85257	1,22	up
6679530	7353522	1753516	cyclic nucleotide gated channel alpha 3	Cnga3	85257	1,11	up
5635925	7178662	1321637	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,14	down
5676781	7178662	1321635	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,55	up
5736829	7178662	1321655	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,03	up

5747505	7178662	1321662	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,07	up
5759082	7178662	1321658	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,14	up
5761828	7178662	1321651	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,34	down
5774742	7178662	1321634	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,77	down
5783275	7178662	1321644	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,84	down
5815707	7178662	1321646	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,06	up
5823561	7178662	1321664	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,06	down
5880558	7178662	1321640	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,21	down
5903509	7178662	1321641	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,64	down
5945540	7178662	1321643	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,16	down
5947189	7178662	1321642	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,45	down
5950376	7178662	1321654	cyclic nucleotide gated channel beta 1	Cngb1	83686	2,34	down
6000758	7178662	1321638	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,01	down
6017638	7178662	1321660	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,31	up
6078944	7178662	1321667	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,03	up
6131351	7178662	1321636	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,38	down
6184116	7178662	1321656	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,37	down
6199881	7178662	1321669	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,70	down
6223515	7178662	1321652	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,04	up
6233543	7178662	1321661	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,53	down
6296287	7178662	1321653	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,28	up
6333731	7178662	1321654	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,13	up
6369209	7178662	1321645	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,39	up
6426832	7178662	1321649	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,10	down
6450509	7178662	1321657	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,15	down
6456318	7178662	1321666	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,07	down
6466276	7178662	1321668	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,04	down
6496062	7178662	1321659	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,11	up
6505022	7178662	1321650	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,32	down
6564236	7178662	1321652	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,37	down
6565534	7178662	1321663	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,04	up
6579325	7178662	1321635	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,96	up
6588598	7178662	1321665	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,02	down
6666562	7178662	1321639	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,78	down
6688660	7178662	1321647	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,51	up
6713009	7178662	1321646	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,35	up
6729395	7178662	1321646	cyclic nucleotide gated channel beta 1	Cngb1	83686	1,24	up
5675699	7273220	1555867	cyclin C	Ccnc	114839	1,20	up
5944840	7273220	1555861	cyclin C	Ccnc	114839	1,05	down
5951312	7273220	1555852	cyclin C	Ccnc	114839	1,25	up
5992940	7273220	1555865	cyclin C	Ccnc	114839	1,19	down
6027784	7273220	1555864	cyclin C	Ccnc	114839	1,09	up
6038271	7273220	1555867	cyclin C	Ccnc	114839	1,03	down
6237055	7273220	1555854	cyclin C	Ccnc	114839	1,00	up
6239082	7273220	1555858	cyclin C	Ccnc	114839	1,28	up
6282886	7273220	1555859	cyclin C	Ccnc	114839	2,05	up
6364311	7273220	1555852	cyclin C	Ccnc	114839	1,71	down
6387613	7273220	1555855	cyclin C	Ccnc	114839	1,20	down
6455209	7273220	1555862	cyclin C	Ccnc	114839	1,26	up
6475425	7273220	1555856	cyclin C	Ccnc	114839	1,06	up
6554899	7273220	1555852	cyclin C	Ccnc	114839	1,41	up
6660061	7273220	1555868	cyclin C	Ccnc	114839	1,19	down
6690714	7273220	1555857	cyclin C	Ccnc	114839	1,05	up
5672022	7353441	1753341	cyclin M3	Cnnm3	301345	1,32	up
5824057	7353441	1753336	cyclin M3	Cnnm3	301345	1,09	up
5915425	7353441	1753332	cyclin M3	Cnnm3	301345	1,08	up

5954927	7353441	1753339	cyclin M3	Cnnm3	301345	2,01	down
5997445	7353441	1753343	cyclin M3	Cnnm3	301345	1,02	up
6101036	7353441	1753332	cyclin M3	Cnnm3	301345	1,20	up
6210380	7353441	1753338	cyclin M3	Cnnm3	301345	1,03	up
6577061	7353441	1753340	cyclin M3	Cnnm3	301345	1,20	down
6653374	7353441	1753334	cyclin M3	Cnnm3	301345	1,19	up
5682014	7355421	1758517	cyclin Y-like 1	Ccnyl1	316452	1,24	up
5684278	7355421	1758523	cyclin Y-like 1	Ccnyl1	316452	1,07	down
5891148	7355421	1758520	cyclin Y-like 1	Ccnyl1	316452	1,69	down
5963449	7355421	1758521	cyclin Y-like 1	Ccnyl1	316452	1,24	down
5971914	7355421	1758515	cyclin Y-like 1	Ccnyl1	316452	1,40	down
6158477	7355421	1758522	cyclin Y-like 1	Ccnyl1	316452	1,24	down
6192831	7355421	1758518	cyclin Y-like 1	Ccnyl1	316452	1,19	down
6235560	7355421	1758520	cyclin Y-like 1	Ccnyl1	316452	1,35	down
6243318	7355421	1758524	cyclin Y-like 1	Ccnyl1	316452	1,09	down
6246229	7355421	1758522	cyclin Y-like 1	Ccnyl1	316452	1,25	down
6404143	7355421	1758519	cyclin Y-like 1	Ccnyl1	316452	1,06	up
6475045	7355421	1758516	cyclin Y-like 1	Ccnyl1	316452	1,09	down
6680194	7355421	1758513	cyclin Y-like 1	Ccnyl1	316452	1,04	up
5621180	7221453	1426344	cystathionine beta synthase	Cbs	24250	2,19	down
5622452	7221453	1426352	cystathionine beta synthase	Cbs	24250	1,02	up
5638829	7221453	1426345	cystathionine beta synthase	Cbs	24250	1,15	up
5652261	7221453	1426342	cystathionine beta synthase	Cbs	24250	1,28	down
5684879	7221453	1426355	cystathionine beta synthase	Cbs	24250	1,11	down
5735151	7221453	1426339	cystathionine beta synthase	Cbs	24250	1,02	down
5756102	7221453	1426357	cystathionine beta synthase	Cbs	24250	1,06	up
5772342	7221453	1426351	cystathionine beta synthase	Cbs	24250	1,05	up
5811579	7221453	1426346	cystathionine beta synthase	Cbs	24250	1,59	up
5844010	7221453	1426357	cystathionine beta synthase	Cbs	24250	1,53	down
6025777	7221453	1426348	cystathionine beta synthase	Cbs	24250	1,39	down
6051874	7221453	1426340	cystathionine beta synthase	Cbs	24250	1,02	up
6285493	7221453	1426350	cystathionine beta synthase	Cbs	24250	1,22	up
6317080	7221453	1426354	cystathionine beta synthase	Cbs	24250	1,17	down
6330295	7221453	1426356	cystathionine beta synthase	Cbs	24250	1,01	down
6367953	7221453	1426349	cystathionine beta synthase	Cbs	24250	1,37	up
6390957	7221453	1426347	cystathionine beta synthase	Cbs	24250	1,23	up
6418589	7221453	1426343	cystathionine beta synthase	Cbs	24250	1,33	up
6687304	7221453	1426353	cystathionine beta synthase	Cbs	24250	1,09	down
6729025	7221453	1426355	cystathionine beta synthase	Cbs	24250	1,10	up
6740683	7221453	1426355	cystathionine beta synthase	Cbs	24250	1,19	down
5651794	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	2,03	down
5819359	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	1,05	up
5960099	7314821	1659019	cysteine and glycine-rich protein 2	Csrp2	29317	1,10	up
6014536	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	1,01	down
6100787	7314821	1659015	cysteine and glycine-rich protein 2	Csrp2	29317	1,23	down
6339794	7314821	1659017	cysteine and glycine-rich protein 2	Csrp2	29317	1,30	down
6459833	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	1,54	down
6710306	7314821	1659016	cysteine and glycine-rich protein 2	Csrp2	29317	1,49	up
6653387	7263152	1530364	cysteine rich BMP regulator 2 (chordin like)	Crim2	296952	1,16	down
5732737	7332099	1700792	cysteine sulfinic acid decarboxylase	Csad	60356	1,18	up
5766912	7332099	1700805	cysteine sulfinic acid decarboxylase	Csad	60356	1,05	up
5891926	7332099	1700799	cysteine sulfinic acid decarboxylase	Csad	60356	1,16	down
5921457	7332099	1700807	cysteine sulfinic acid decarboxylase	Csad	60356	1,76	up
5936784	7332099	1700806	cysteine sulfinic acid decarboxylase	Csad	60356	1,45	up
6118198	7332099	1700796	cysteine sulfinic acid decarboxylase	Csad	60356	1,24	up
6175686	7332099	1700804	cysteine sulfinic acid decarboxylase	Csad	60356	1,30	up

6236959	7332099	1700801	cysteine sulfinic acid decarboxylase	Csad	60356	1,28	down
6237408	7332099	1700793	cysteine sulfinic acid decarboxylase	Csad	60356	1,32	up
6251375	7332099	1700802	cysteine sulfinic acid decarboxylase	Csad	60356	1,07	up
6349165	7332099	1700797	cysteine sulfinic acid decarboxylase	Csad	60356	1,43	up
6353164	7332099	1700795	cysteine sulfinic acid decarboxylase	Csad	60356	1,17	up
6491377	7332099	1700800	cysteine sulfinic acid decarboxylase	Csad	60356	1,16	up
6644329	7332099	1700792	cysteine sulfinic acid decarboxylase	Csad	60356	1,21	up
6656497	7332099	1700803	cysteine sulfinic acid decarboxylase	Csad	60356	2,66	down
6666108	7332099	1700791	cysteine sulfinic acid decarboxylase	Csad	60356	1,40	up
6668038	7332099	1700798	cysteine sulfinic acid decarboxylase	Csad	60356	1,44	down
6685359	7332099	1700794	cysteine sulfinic acid decarboxylase	Csad	60356	1,25	down
5649356	7376206	1811979	cysteine-rich hydrophobic domain 1	Chic1	363484	1,09	down
6513207	7376206	1811972	cysteine-rich hydrophobic domain 1	Chic1	363484	1,26	up
5786104	7296860	1613440	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,12	up
6122175	7296860	1613435	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,62	down
6190723	7296860	1613438	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,45	up
6211752	7296860	1613435	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	2,04	up
6272054	7296860	1613437	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,96	up
6369627	7296860	1613440	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,12	up
6431137	7296860	1613439	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,90	down
6577360	7296860	1613439	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,26	down
6688514	7296860	1613439	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,06	down
5756871	7379801	1820330	cytochrome b-245, beta polypeptide	Cybb	66021	1,09	up
5757022	7379801	1820332	cytochrome b-245, beta polypeptide	Cybb	66021	2,19	up
5776519	7379801	1820336	cytochrome b-245, beta polypeptide	Cybb	66021	1,34	up
5816855	7379801	1820327	cytochrome b-245, beta polypeptide	Cybb	66021	1,37	down
5838473	7379801	1820329	cytochrome b-245, beta polypeptide	Cybb	66021	2,07	down
5925037	7379801	1820338	cytochrome b-245, beta polypeptide	Cybb	66021	1,26	down
5964421	7379801	1820339	cytochrome b-245, beta polypeptide	Cybb	66021	1,14	up
6126289	7379801	1820331	cytochrome b-245, beta polypeptide	Cybb	66021	1,06	down
6352424	7379801	1820327	cytochrome b-245, beta polypeptide	Cybb	66021	1,85	up
6369732	7379801	1820335	cytochrome b-245, beta polypeptide	Cybb	66021	1,27	down
6581853	7379801	1820328	cytochrome b-245, beta polypeptide	Cybb	66021	1,43	up
6614162	7379801	1820326	cytochrome b-245, beta polypeptide	Cybb	66021	1,17	down
6663063	7379801	1820337	cytochrome b-245, beta polypeptide	Cybb	66021	1,33	down
6696934	7379801	1820334	cytochrome b-245, beta polypeptide	Cybb	66021	1,34	up
6734774	7379801	1820333	cytochrome b-245, beta polypeptide	Cybb	66021	1,10	down
5814856	7240420	1475079	cytochrome c, testis	Cyct	25310	1,05	up
6410356	7240420	1475080	cytochrome c, testis	Cyct	25310	1,04	down
5660256	7029939	960507	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,02	up
5803738	7029939	960503	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,08	down
5986663	7029939	960506	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,73	down
6026244	7029939	960504	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,12	up
6121256	7029939	960511	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,59	up
6124812	7029939	960508	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,34	up
6171949	7029939	960509	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,60	up
6564107	7029939	960508	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,80	up
6596220	7029939	960510	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,51	up
6677475	7029939	960505	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	1,74	down
6707309	7029939	960502	cytochrome P450 monooxygenase CYP2T1	Cyp2t1	171380	2,04	down
5662417	7345842	1734723	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,38	up
5701575	7345842	1734724	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,27	down
6175668	7345842	1734722	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,05	up
6200093	7345842	1734725	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,22	down
6460688	7345842	1734728	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,02	up
6557966	7345842	1734727	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,42	down

6645893	7345842	1734729	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	2,90	down
6674454	7345842	1734721	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,04	up
6701923	7345842	1734726	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,07	up
5944103	7330159	1695626	cytochrome P450, family 2, subfamily d, polypeptide 1	Cyp2d1	266684	1,27	up
6203399	7330159	1695634	cytochrome P450, family 2, subfamily d, polypeptide 1	Cyp2d1	266684	1,02	down
6440832	7330159	1695634	cytochrome P450, family 2, subfamily d, polypeptide 1	Cyp2d1	266684	2,71	up
6620012	7330159	1695630	cytochrome P450, family 2, subfamily d, polypeptide 1	Cyp2d1	266684	1,60	down
5626079	7330159	1695629	cytochrome P450, family 2, subfamily d, polypeptide 1 /// cytochrome P450, famil	Cyp2d1 /// Cyp2d5	266684 /// 286963	1,25	down
5767733	7330159	1695628	cytochrome P450, family 2, subfamily d, polypeptide 1 /// cytochrome P450, famil	Cyp2d1 /// Cyp2d5	266684 /// 286963	1,10	up
6018611	7330159	1695631	cytochrome P450, family 2, subfamily d, polypeptide 1 /// cytochrome P450, famil	Cyp2d1 /// Cyp2d5	266684 /// 286963	1,34	down
6018939	7330159	1695627	cytochrome P450, family 2, subfamily d, polypeptide 1 /// cytochrome P450, famil	Cyp2d1 /// Cyp2d5	266684 /// 286963	1,11	up
6162484	7330159	1695632	cytochrome P450, family 2, subfamily d, polypeptide 1 /// cytochrome P450, famil	Cyp2d1 /// Cyp2d5	266684 /// 286963	1,31	down
6219953	7330159	1695625	cytochrome P450, family 2, subfamily d, polypeptide 1 /// cytochrome P450, famil	Cyp2d1 /// Cyp2d5	266684 /// 286963	1,35	up
6689056	7330159	1695633	cytochrome P450, family 2, subfamily d, polypeptide 1 /// cytochrome P450, famil	Cyp2d1 /// Cyp2d5	266684 /// 286963	1,11	up
5895638	7356120	1760147	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,15	down
6143513	7356120	1760145	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,31	down
6188414	7356120	1760149	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,65	up
6191975	7356120	1760152	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	4,67	up
6192836	7356120	1760144	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,21	up
6204207	7356120	1760152	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	2,23	down
6302254	7356120	1760143	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,03	up
6315010	7356120	1760148	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,22	up
6342218	7356120	1760146	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,28	up
6414633	7356120	1760142	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,15	up
6497963	7356120	1760151	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,34	down
6604733	7356120	1760143	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	2,85	down
6607733	7356120	1760150	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,34	down
6735539	7356120	1760151	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,20	down
5631515	7290141	1597026	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, famil	Cyp4a2 /// Cyp4a3	24306 /// 298423	1,68	down
5844408	7290141	1597026	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, famil	Cyp4a2 /// Cyp4a3	24306 /// 298423	1,10	down
6071842	7290141	1597027	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, famil	Cyp4a2 /// Cyp4a3	24306 /// 298423	1,31	down
6215468	7290141	1597029	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, famil	Cyp4a2 /// Cyp4a3	24306 /// 298423	1,03	up
6336904	7290141	1597022	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, famil	Cyp4a2 /// Cyp4a3	24306 /// 298423	1,04	down
6617059	7290141	1597023	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, famil	Cyp4a2 /// Cyp4a3	24306 /// 298423	2,06	up
5763176	7290141	1597021	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,16	up
5941625	7290141	1597030	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,28	up
6100616	7290141	1597032	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	2,34	down
6207365	7290141	1597031	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,18	up
6547131	7290141	1597028	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,03	down
6665063	7290141	1597024	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,08	up
6707668	7290141	1597025	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,61	up
5647383	7143971	1235926	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,10	down
5696530	7143971	1235935	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,06	up
5697801	7143971	1235923	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,63	down
5701902	7143971	1235921	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,20	up
5736198	7143971	1235935	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,00	up
5816637	7143971	1235925	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	1,06	up
6149212	7143971	1235928	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,48	up
6188893	7143971	1235930	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,00	up
6220291	7143971	1235934	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,95	down
6244144	7143971	1235924	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,00	up
6296836	7143971	1235935	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,11	down
6413386	7143971	1235931	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,16	down
6454216	7143971	1235929	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,03	down
6564916	7143971	1235933	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,03	down

5621480	7301616	1625889	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,44	up
5668313	7301616	1625901	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,07	down
5714939	7301616	1625896	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,43	up
5732111	7301616	1625904	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,19	up
5820195	7301616	1625905	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,01	down
5861210	7301616	1625912	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,15	down
5868073	7301616	1625897	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,15	down
5897593	7301616	1625910	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,03	up
5963567	7301616	1625893	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,22	up
6000918	7301616	1625911	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,65	down
6023254	7301616	1625908	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,27	up
6032931	7301616	1625908	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	2,45	down
6122953	7301616	1625909	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,76	down
6155274	7301616	1625907	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,29	down
6216851	7301616	1625892	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,24	up
6439130	7301616	1625906	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,04	down
6562086	7301616	1625902	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,13	down
5680729	7328956	1693101	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	1,14	up
5776200	7328956	1693096	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	2,55	up
5835394	7328956	1693094	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	1,05	up
6019303	7328956	1693095	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	1,11	up
6053969	7328956	1693098	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	1,16	down
6165271	7328956	1693099	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	1,17	down
6224116	7328956	1693100	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	1,10	down
6314175	7328956	1693097	cytochrome P450, subfamily 11B, polypeptide 2	Cyp11b2	24294	1,38	up
5994238	7328956	1693103	cytochrome P450, subfamily 11B, polypeptide 2 /// cytochrome P450, subfamily 1b2 ///	Cyp11b1 /// C _γ 94 /// 500892 /// 353		1,25	down
6474670	7328956	1693102	cytochrome P450, subfamily 11B, polypeptide 2 /// cytochrome P450, subfamily 1b2 ///	Cyp11b1 /// C _γ 94 /// 500892 /// 353		1,08	down
5625324	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,19	up
5629569	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,09	down
5645250	7248318	1493336	cytochrome P450, subfamily 24	Cyp24a1	25279	1,28	up
5755502	7248318	1493338	cytochrome P450, subfamily 24	Cyp24a1	25279	1,11	up
5929851	7248318	1493341	cytochrome P450, subfamily 24	Cyp24a1	25279	1,01	up
6062584	7248318	1493337	cytochrome P450, subfamily 24	Cyp24a1	25279	1,18	down
6180711	7248318	1493331	cytochrome P450, subfamily 24	Cyp24a1	25279	1,43	up
6191258	7248318	1493335	cytochrome P450, subfamily 24	Cyp24a1	25279	1,00	down
6248947	7248318	1493340	cytochrome P450, subfamily 24	Cyp24a1	25279	2,22	down
6341315	7248318	1493333	cytochrome P450, subfamily 24	Cyp24a1	25279	1,03	down
6444433	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,10	down
6518432	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,39	down
6581650	7248318	1493332	cytochrome P450, subfamily 24	Cyp24a1	25279	1,46	down
6616472	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,28	down
6664309	7248318	1493339	cytochrome P450, subfamily 24	Cyp24a1	25279	1,20	down
6670902	7248318	1493332	cytochrome P450, subfamily 24	Cyp24a1	25279	1,05	down
6695570	7248318	1493334	cytochrome P450, subfamily 24	Cyp24a1	25279	1,12	down
5672622	7100386	1128531	cytohesin 3	Cyth3	116693	1,12	up
5885708	7100386	1128533	cytohesin 3	Cyth3	116693	1,34	up
5940424	7100386	1128535	cytohesin 3	Cyth3	116693	1,06	up
5957377	7100386	1128541	cytohesin 3	Cyth3	116693	1,06	up
5966977	7100386	1128537	cytohesin 3	Cyth3	116693	1,15	up
5977139	7100386	1128538	cytohesin 3	Cyth3	116693	1,13	up
6103675	7100386	1128534	cytohesin 3	Cyth3	116693	1,30	up
6278632	7100386	1128536	cytohesin 3	Cyth3	116693	1,37	down
6322270	7100386	1128539	cytohesin 3	Cyth3	116693	1,01	up
6548766	7100386	1128530	cytohesin 3	Cyth3	116693	2,33	down
6569173	7100386	1128540	cytohesin 3	Cyth3	116693	1,06	down
6745393	7100386	1128532	cytohesin 3	Cyth3	116693	1,10	down

5663085	7340125	1720451	cytokine inducible SH2-containing protein	Cish	83681	2,14	down
5757034	7340125	1720447	cytokine inducible SH2-containing protein	Cish	83681	1,02	down
6144737	7340125	1720451	cytokine inducible SH2-containing protein	Cish	83681	1,07	up
6692337	7340125	1720450	cytokine inducible SH2-containing protein	Cish	83681	1,49	up
5677693	7032083	965686	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,13	up
5710039	7032083	965672	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,37	down
5777307	7032083	965690	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,21	up
5804582	7032083	965680	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,06	up
5824633	7032083	965678	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,06	up
5828467	7032083	965693	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,09	up
5916397	7032083	965682	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,07	up
5929216	7032083	965682	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,19	down
5932394	7032083	965682	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,03	up
5963513	7032083	965670	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,28	down
5966644	7032083	965683	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,50	down
5973864	7032083	965697	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,17	up
6006550	7032083	965664	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,29	down
6039126	7032083	965680	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,14	down
6087232	7032083	965682	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,54	down
6132292	7032083	965668	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,20	up
6185959	7032083	965675	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,08	down
6196447	7032083	965694	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,00	down
6279153	7032083	965692	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,15	down
6280188	7032083	965663	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,25	up
6347171	7032083	965697	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,46	down
6348078	7032083	965689	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,01	up
6356528	7032083	965684	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,24	up
6400727	7032083	965681	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	2,47	down
6404116	7032083	965666	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,08	up
6415319	7032083	965691	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,11	up
6443652	7032083	965681	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,35	down
6460814	7032083	965679	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,16	down
6473999	7032083	965674	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,14	up
6533321	7032083	965685	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,09	up
6541782	7032083	965669	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,05	down
6548351	7032083	965652	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,18	down
6557828	7032083	965674	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,10	down
6568348	7032083	965684	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,02	down
6580038	7032083	965687	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,06	down
6719306	7032083	965667	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,18	down
6735844	7032083	965696	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,02	down
6738444	7032083	965695	cytoplasmic FMR1 interacting protein 1	Cyfp1	308666	1,19	down
5636305	7340977	1722466	cytoplasmic linker associated protein 2	Clasp2	114514	1,06	up
5651856	7340977	1722463	cytoplasmic linker associated protein 2	Clasp2	114514	1,33	up
5657077	7340977	1722475	cytoplasmic linker associated protein 2	Clasp2	114514	1,19	down
5679860	7340977	1722483	cytoplasmic linker associated protein 2	Clasp2	114514	1,09	up
5714176	7340977	1722486	cytoplasmic linker associated protein 2	Clasp2	114514	1,08	up
5755088	7340977	1722482	cytoplasmic linker associated protein 2	Clasp2	114514	1,15	up
5771283	7340977	1722485	cytoplasmic linker associated protein 2	Clasp2	114514	1,09	down
5797701	7340977	1722480	cytoplasmic linker associated protein 2	Clasp2	114514	1,02	down
5840915	7340977	1722468	cytoplasmic linker associated protein 2	Clasp2	114514	1,48	up
5891111	7340977	1722487	cytoplasmic linker associated protein 2	Clasp2	114514	1,03	down
5910027	7340977	1722481	cytoplasmic linker associated protein 2	Clasp2	114514	1,09	down
6009883	7340977	1722472	cytoplasmic linker associated protein 2	Clasp2	114514	1,05	down
6037645	7340977	1722484	cytoplasmic linker associated protein 2	Clasp2	114514	1,01	up
6114470	7340977	1722474	cytoplasmic linker associated protein 2	Clasp2	114514	1,28	down

6124129	7340977	1722476	cytoplasmic linker associated protein 2	Clasp2	114514	1,09	down
6136728	7340977	1722458	cytoplasmic linker associated protein 2	Clasp2	114514	1,16	up
6140511	7340977	1722476	cytoplasmic linker associated protein 2	Clasp2	114514	1,29	down
6140983	7340977	1722457	cytoplasmic linker associated protein 2	Clasp2	114514	2,93	up
6162013	7340977	1722471	cytoplasmic linker associated protein 2	Clasp2	114514	1,22	down
6218474	7340977	1722461	cytoplasmic linker associated protein 2	Clasp2	114514	1,12	up
6315291	7340977	1722467	cytoplasmic linker associated protein 2	Clasp2	114514	1,29	up
6321871	7340977	1722461	cytoplasmic linker associated protein 2	Clasp2	114514	1,11	down
6341214	7340977	1722473	cytoplasmic linker associated protein 2	Clasp2	114514	1,39	down
6398083	7340977	1722479	cytoplasmic linker associated protein 2	Clasp2	114514	1,16	up
6471215	7340977	1722465	cytoplasmic linker associated protein 2	Clasp2	114514	1,12	down
6472100	7340977	1722460	cytoplasmic linker associated protein 2	Clasp2	114514	1,20	down
6486954	7340977	1722469	cytoplasmic linker associated protein 2	Clasp2	114514	1,04	up
6496798	7340977	1722462	cytoplasmic linker associated protein 2	Clasp2	114514	1,20	up
6516130	7340977	1722478	cytoplasmic linker associated protein 2	Clasp2	114514	1,00	down
6550635	7340977	1722464	cytoplasmic linker associated protein 2	Clasp2	114514	1,03	down
6572566	7340977	1722470	cytoplasmic linker associated protein 2	Clasp2	114514	1,05	up
6584312	7340977	1722459	cytoplasmic linker associated protein 2	Clasp2	114514	1,83	down
6601696	7340977	1722477	cytoplasmic linker associated protein 2	Clasp2	114514	1,23	down
5730927	7062173	1036977	cytoplasmic polyadenylation element binding protein 3	Cpeb3	309510	1,25	down
6472340	7062173	1037017	cytoplasmic polyadenylation element binding protein 3	Cpeb3	309510	1,11	up
5781591	7376566	1812886	dachshund homolog 2 (Drosophila)	Dach2	302333	1,05	up
6687420	7376566	1812848	dachshund homolog 2 (Drosophila)	Dach2	302333	1,04	down
5725340	7142081	1230949	DAZ interacting protein 1	Dzip1	364475	1,51	down
5799164	7142081	1230952	DAZ interacting protein 1	Dzip1	364475	1,08	down
5928229	7142081	1230957	DAZ interacting protein 1	Dzip1	364475	1,17	down
6002327	7142081	1230985	DAZ interacting protein 1	Dzip1	364475	1,01	up
6154061	7142081	1230964	DAZ interacting protein 1	Dzip1	364475	1,12	down
6328658	7142081	1230955	DAZ interacting protein 1	Dzip1	364475	1,03	up
6474077	7142081	1230949	DAZ interacting protein 1	Dzip1	364475	1,21	up
6540179	7142081	1230965	DAZ interacting protein 1	Dzip1	364475	1,00	down
5824701	7124223	1187524	DAZ interacting protein 1, pseudogene 1	Dzip1-ps1	364128	2,19	up
5984570	7124223	1187524	DAZ interacting protein 1, pseudogene 1	Dzip1-ps1	364128	1,84	down
6031464	7124223	1187524	DAZ interacting protein 1, pseudogene 1	Dzip1-ps1	364128	1,01	up
6240781	7124223	1187524	DAZ interacting protein 1, pseudogene 1	Dzip1-ps1	364128	1,53	up
6384835	7124223	1187524	DAZ interacting protein 1, pseudogene 1	Dzip1-ps1	364128	1,20	down
6450973	7124223	1187524	DAZ interacting protein 1, pseudogene 1	Dzip1-ps1	364128	1,10	down
5707730	7339650	1719047	DAZ interacting protein 1-like	Dzip1l	315952	1,04	up
5785827	7339650	1719039	DAZ interacting protein 1-like	Dzip1l	315952	1,12	up
5947298	7339650	1719041	DAZ interacting protein 1-like	Dzip1l	315952	2,12	up
6027066	7339650	1719053	DAZ interacting protein 1-like	Dzip1l	315952	1,04	down
6104738	7339650	1719051	DAZ interacting protein 1-like	Dzip1l	315952	1,63	up
6189146	7339650	1719048	DAZ interacting protein 1-like	Dzip1l	315952	1,32	down
6245342	7339650	1719049	DAZ interacting protein 1-like	Dzip1l	315952	1,40	down
6260612	7339650	1719038	DAZ interacting protein 1-like	Dzip1l	315952	1,45	up
6333348	7339650	1719046	DAZ interacting protein 1-like	Dzip1l	315952	1,38	up
6348536	7339650	1719040	DAZ interacting protein 1-like	Dzip1l	315952	1,15	up
6392492	7339650	1719049	DAZ interacting protein 1-like	Dzip1l	315952	1,21	down
6423664	7339650	1719050	DAZ interacting protein 1-like	Dzip1l	315952	1,10	up
6425564	7339650	1719042	DAZ interacting protein 1-like	Dzip1l	315952	1,43	down
6428849	7339650	1719050	DAZ interacting protein 1-like	Dzip1l	315952	1,26	up
6454522	7339650	1719044	DAZ interacting protein 1-like	Dzip1l	315952	1,21	down
6484824	7339650	1719038	DAZ interacting protein 1-like	Dzip1l	315952	1,37	up
6517573	7339650	1719052	DAZ interacting protein 1-like	Dzip1l	315952	1,91	down
6586441	7339650	1719050	DAZ interacting protein 1-like	Dzip1l	315952	1,58	down
6639229	7339650	1719045	DAZ interacting protein 1-like	Dzip1l	315952	1,49	down

6744610	7339650	1719043	DAZ interacting protein 1-like	Dzip11	315952	1,61	down
5793297	7221817	1427153	D-dopachrome tautomerase	Ddt	29318	1,16	up
6108480	7221817	1427151	D-dopachrome tautomerase	Ddt	29318	1,68	down
6192020	7221817	1427152	D-dopachrome tautomerase	Ddt	29318	1,35	up
6247985	7221817	1427153	D-dopachrome tautomerase	Ddt	29318	1,01	down
6457955	7221817	1427151	D-dopachrome tautomerase	Ddt	29318	1,21	down
5624537	7161974	1280115	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,03	up
5673094	7161974	1280113	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,39	down
5719838	7161974	1280104	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,23	down
5871721	7161974	1280105	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,05	down
5997417	7161974	1280122	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,05	down
6005570	7161974	1280106	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,13	down
6013986	7161974	1280118	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,00	down
6023481	7161974	1280102	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,34	down
6032934	7161974	1280107	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,12	down
6036064	7161974	1280112	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,44	up
6129767	7161974	1280100	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,02	down
6177492	7161974	1280121	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,29	up
6211451	7161974	1280117	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	2,45	up
6215278	7161974	1280119	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,17	down
6223274	7161974	1280110	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,00	down
6224848	7161974	1280100	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	2,54	down
6269619	7161974	1280120	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,15	up
6285081	7161974	1280111	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,11	down
6318748	7161974	1280123	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,22	up
6319982	7161974	1280101	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,06	down
6406501	7161974	1280116	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,09	up
6461446	7161974	1280114	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,49	down
6480740	7161974	1280109	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,23	up
6600794	7161974	1280108	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,01	down
6606665	7161974	1280103	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	1,14	down
6737895	7161974	1280123	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Ddx46	245957	2,46	up
5647183	7185315	1338616	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,59	down
5706465	7185315	1338592	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,03	down
5768346	7185315	1338599	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,11	down
5782069	7185315	1338594	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,39	down
5789692	7185315	1338602	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,00	down
5811226	7185315	1338600	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,01	down
5825715	7185315	1338604	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,03	up
5828149	7185315	1338614	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,18	down
5866026	7185315	1338595	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,57	down
5876438	7185315	1338601	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,65	up
5886170	7185315	1338611	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	2,26	up
5950831	7185315	1338606	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,30	down
5967036	7185315	1338589	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,27	down
5970768	7185315	1338603	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,09	down
6031647	7185315	1338615	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,22	down
6060373	7185315	1338607	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,36	up
6206435	7185315	1338596	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,00	down
6228683	7185315	1338591	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	2,27	up
6306109	7185315	1338593	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,12	down
6327237	7185315	1338605	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,19	up
6468149	7185315	1338608	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,30	up
6489055	7185315	1338599	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,14	down
6524036	7185315	1338613	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,73	up
6540246	7185315	1338612	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,64	up

6681492	7185315	1338597	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,39	down
6716180	7185315	1338590	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,07	down
6726250	7185315	1338609	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,95	up
6741579	7185315	1338604	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,06	up
5652667	7322023	1676660	death-associated protein kinase 3	Dapk3	64391	1,04	up
5659477	7322023	1676657	death-associated protein kinase 3	Dapk3	64391	2,20	up
5813669	7322023	1676663	death-associated protein kinase 3	Dapk3	64391	1,21	up
5881000	7322023	1676664	death-associated protein kinase 3	Dapk3	64391	1,29	up
6290068	7322023	1676659	death-associated protein kinase 3	Dapk3	64391	1,21	down
6337174	7322023	1676656	death-associated protein kinase 3	Dapk3	64391	1,13	down
6350329	7322023	1676665	death-associated protein kinase 3	Dapk3	64391	1,80	down
6707968	7322023	1676658	death-associated protein kinase 3	Dapk3	64391	1,44	down
6710028	7322023	1676662	death-associated protein kinase 3	Dapk3	64391	1,07	down
6735174	7322023	1676661	death-associated protein kinase 3	Dapk3	64391	1,22	down
5786290	7037764	979960	dedicator of cyto-kinesis 1	Dock1	309081	1,48	up
6270834	7037764	980111	dedicator of cyto-kinesis 1	Dock1	309081	1,74	up
6599844	7037764	979960	dedicator of cyto-kinesis 1	Dock1	309081	1,10	up
5661157	7378997	1818630	dedicator of cytokinesis 11	Dock11	313438	1,21	down
5764690	7378997	1818634	dedicator of cytokinesis 11	Dock11	313438	1,09	down
5883165	7378997	1818625	dedicator of cytokinesis 11	Dock11	313438	1,15	down
5891949	7378997	1818627	dedicator of cytokinesis 11	Dock11	313438	1,10	down
6077072	7378997	1818620	dedicator of cytokinesis 11	Dock11	313438	1,13	down
6228623	7378997	1818626	dedicator of cytokinesis 11	Dock11	313438	1,05	up
6299110	7378997	1818629	dedicator of cytokinesis 11	Dock11	313438	1,22	down
6435747	7378997	1818633	dedicator of cytokinesis 11	Dock11	313438	1,05	down
6439128	7378997	1818632	dedicator of cytokinesis 11	Dock11	313438	1,08	up
6502137	7378997	1818630	dedicator of cytokinesis 11	Dock11	313438	1,52	down
6588492	7378997	1818624	dedicator of cytokinesis 11	Dock11	313438	1,32	down
6590920	7378997	1818628	dedicator of cytokinesis 11	Dock11	313438	1,17	down
6619059	7378997	1818620	dedicator of cytokinesis 11	Dock11	313438	1,27	down
6653758	7378997	1818625	dedicator of cytokinesis 11	Dock11	313438	1,13	down
6661663	7378997	1818623	dedicator of cytokinesis 11	Dock11	313438	1,01	up
5636720	7076160	1070877	dedicator of cytokinesis 2	Dock2	360509	1,08	down
5673943	7076160	1070878	dedicator of cytokinesis 2	Dock2	360509	1,43	up
5755350	7076160	1070911	dedicator of cytokinesis 2	Dock2	360509	1,78	down
5760791	7076160	1070876	dedicator of cytokinesis 2	Dock2	360509	1,04	down
5776910	7076160	1070884	dedicator of cytokinesis 2	Dock2	360509	1,41	down
5789587	7076160	1070961	dedicator of cytokinesis 2	Dock2	360509	1,41	up
5793122	7076160	1070952	dedicator of cytokinesis 2	Dock2	360509	1,26	down
5796817	7076160	1070975	dedicator of cytokinesis 2	Dock2	360509	1,29	up
5804576	7076160	1070969	dedicator of cytokinesis 2	Dock2	360509	1,02	down
5818606	7076160	1070910	dedicator of cytokinesis 2	Dock2	360509	1,05	up
5844965	7076160	1070976	dedicator of cytokinesis 2	Dock2	360509	1,27	up
5855793	7076160	1070957	dedicator of cytokinesis 2	Dock2	360509	1,65	down
5882972	7076160	1070967	dedicator of cytokinesis 2	Dock2	360509	1,06	up
5903108	7076160	1070882	dedicator of cytokinesis 2	Dock2	360509	1,38	down
5910678	7076160	1070896	dedicator of cytokinesis 2	Dock2	360509	1,29	down
5918417	7076160	1070959	dedicator of cytokinesis 2	Dock2	360509	1,06	up
6073137	7076160	1070955	dedicator of cytokinesis 2	Dock2	360509	1,15	up
6076502	7076160	1070906	dedicator of cytokinesis 2	Dock2	360509	1,15	up
6094863	7076160	1070977	dedicator of cytokinesis 2	Dock2	360509	1,11	down
6133534	7076160	1070946	dedicator of cytokinesis 2	Dock2	360509	1,09	down
6149424	7076160	1070978	dedicator of cytokinesis 2	Dock2	360509	1,28	up
6151757	7076160	1070958	dedicator of cytokinesis 2	Dock2	360509	1,23	up
6152981	7076160	1070967	dedicator of cytokinesis 2	Dock2	360509	2,14	up
6157055	7076160	1070957	dedicator of cytokinesis 2	Dock2	360509	1,45	down

6162216	7076160	1070873	dedicator of cytokinesis 2	Dock2	360509	1,01	up
6162734	7076160	1070898	dedicator of cytokinesis 2	Dock2	360509	1,64	down
6163181	7076160	1070938	dedicator of cytokinesis 2	Dock2	360509	1,31	up
6171666	7076160	1070947	dedicator of cytokinesis 2	Dock2	360509	1,49	down
6173975	7076160	1070890	dedicator of cytokinesis 2	Dock2	360509	1,05	down
6176484	7076160	1070900	dedicator of cytokinesis 2	Dock2	360509	1,05	down
6230375	7076160	1070882	dedicator of cytokinesis 2	Dock2	360509	1,48	down
6235892	7076160	1070964	dedicator of cytokinesis 2	Dock2	360509	1,10	down
6246483	7076160	1070968	dedicator of cytokinesis 2	Dock2	360509	1,25	down
6261178	7076160	1070881	dedicator of cytokinesis 2	Dock2	360509	1,55	up
6319477	7076160	1070889	dedicator of cytokinesis 2	Dock2	360509	1,01	up
6348215	7076160	1070986	dedicator of cytokinesis 2	Dock2	360509	1,12	up
6371139	7076160	1070948	dedicator of cytokinesis 2	Dock2	360509	1,05	down
6407234	7076160	1070956	dedicator of cytokinesis 2	Dock2	360509	1,36	up
6408463	7076160	1070981	dedicator of cytokinesis 2	Dock2	360509	1,02	up
6420017	7076160	1070954	dedicator of cytokinesis 2	Dock2	360509	2,42	down
6426264	7076160	1070905	dedicator of cytokinesis 2	Dock2	360509	1,22	down
6481619	7076160	1070966	dedicator of cytokinesis 2	Dock2	360509	1,15	up
6494870	7076160	1070875	dedicator of cytokinesis 2	Dock2	360509	1,03	up
6499708	7076160	1070893	dedicator of cytokinesis 2	Dock2	360509	1,06	down
6504113	7076160	1070892	dedicator of cytokinesis 2	Dock2	360509	1,30	up
6535542	7076160	1070972	dedicator of cytokinesis 2	Dock2	360509	1,25	down
6568761	7076160	1070986	dedicator of cytokinesis 2	Dock2	360509	3,82	up
6571763	7076160	1070891	dedicator of cytokinesis 2	Dock2	360509	1,03	down
6589221	7076160	1070974	dedicator of cytokinesis 2	Dock2	360509	1,37	down
6593770	7076160	1070880	dedicator of cytokinesis 2	Dock2	360509	1,12	up
6604967	7076160	1070895	dedicator of cytokinesis 2	Dock2	360509	1,12	down
6646723	7076160	1070973	dedicator of cytokinesis 2	Dock2	360509	1,43	up
6667086	7076160	1070874	dedicator of cytokinesis 2	Dock2	360509	1,23	up
6737817	7076160	1070907	dedicator of cytokinesis 2	Dock2	360509	1,25	up
5622020	7349817	1744588	dedicator of cyto-kinesis 3	Dock3	315992	1,41	up
5623464	7349817	1744610	dedicator of cyto-kinesis 3	Dock3	315992	2,37	up
5630317	7349817	1744594	dedicator of cyto-kinesis 3	Dock3	315992	1,27	up
5630477	7349817	1744654	dedicator of cyto-kinesis 3	Dock3	315992	1,17	up
5677155	7349817	1744630	dedicator of cyto-kinesis 3	Dock3	315992	1,14	down
5685188	7349817	1744650	dedicator of cyto-kinesis 3	Dock3	315992	1,52	down
5720318	7349817	1744640	dedicator of cyto-kinesis 3	Dock3	315992	1,14	down
5727970	7349817	1744662	dedicator of cyto-kinesis 3	Dock3	315992	1,17	up
5802958	7349817	1744617	dedicator of cyto-kinesis 3	Dock3	315992	1,11	up
5808612	7349817	1744592	dedicator of cyto-kinesis 3	Dock3	315992	2,21	up
5843374	7349817	1744622	dedicator of cyto-kinesis 3	Dock3	315992	1,06	down
5860114	7349817	1744625	dedicator of cyto-kinesis 3	Dock3	315992	1,24	down
5874419	7349817	1744638	dedicator of cyto-kinesis 3	Dock3	315992	1,29	up
5879239	7349817	1744585	dedicator of cyto-kinesis 3	Dock3	315992	1,18	up
5881469	7349817	1744626	dedicator of cyto-kinesis 3	Dock3	315992	1,05	down
5882451	7349817	1744622	dedicator of cyto-kinesis 3	Dock3	315992	1,30	down
5883736	7349817	1744624	dedicator of cyto-kinesis 3	Dock3	315992	1,24	down
5885428	7349817	1744593	dedicator of cyto-kinesis 3	Dock3	315992	1,18	down
5892071	7349817	1744659	dedicator of cyto-kinesis 3	Dock3	315992	1,12	up
5892811	7349817	1744635	dedicator of cyto-kinesis 3	Dock3	315992	1,11	down
5944844	7349817	1744638	dedicator of cyto-kinesis 3	Dock3	315992	1,22	down
5955440	7349817	1744629	dedicator of cyto-kinesis 3	Dock3	315992	1,11	up
6056733	7349817	1744621	dedicator of cyto-kinesis 3	Dock3	315992	1,45	up
6065879	7349817	1744637	dedicator of cyto-kinesis 3	Dock3	315992	1,22	down
6128769	7349817	1744586	dedicator of cyto-kinesis 3	Dock3	315992	1,10	up
6165403	7349817	1744634	dedicator of cyto-kinesis 3	Dock3	315992	1,08	down

6198829	7349817	1744621	dedicator of cyto-kinesis 3	Dock3	315992	1,09	down
6237809	7349817	1744615	dedicator of cyto-kinesis 3	Dock3	315992	1,82	down
6237918	7349817	1744593	dedicator of cyto-kinesis 3	Dock3	315992	1,02	up
6239848	7349817	1744620	dedicator of cyto-kinesis 3	Dock3	315992	1,11	down
6264821	7349817	1744614	dedicator of cyto-kinesis 3	Dock3	315992	1,14	down
6273394	7349817	1744604	dedicator of cyto-kinesis 3	Dock3	315992	1,21	down
6292892	7349817	1744606	dedicator of cyto-kinesis 3	Dock3	315992	1,03	down
6296140	7349817	1744636	dedicator of cyto-kinesis 3	Dock3	315992	1,27	up
6306901	7349817	1744631	dedicator of cyto-kinesis 3	Dock3	315992	1,43	down
6310015	7349817	1744650	dedicator of cyto-kinesis 3	Dock3	315992	1,11	up
6310496	7349817	1744639	dedicator of cyto-kinesis 3	Dock3	315992	1,08	down
6313334	7349817	1744595	dedicator of cyto-kinesis 3	Dock3	315992	1,08	down
6360175	7349817	1744656	dedicator of cyto-kinesis 3	Dock3	315992	1,18	up
6368226	7349817	1744594	dedicator of cyto-kinesis 3	Dock3	315992	1,38	up
6371353	7349817	1744603	dedicator of cyto-kinesis 3	Dock3	315992	1,15	up
6385701	7349817	1744618	dedicator of cyto-kinesis 3	Dock3	315992	1,38	up
6401953	7349817	1744611	dedicator of cyto-kinesis 3	Dock3	315992	1,34	up
6486839	7349817	1744609	dedicator of cyto-kinesis 3	Dock3	315992	1,30	up
6501565	7349817	1744612	dedicator of cyto-kinesis 3	Dock3	315992	1,27	down
6502039	7349817	1744616	dedicator of cyto-kinesis 3	Dock3	315992	1,63	up
6532325	7349817	1744648	dedicator of cyto-kinesis 3	Dock3	315992	2,13	up
6568756	7349817	1744623	dedicator of cyto-kinesis 3	Dock3	315992	1,03	up
6612187	7349817	1744652	dedicator of cyto-kinesis 3	Dock3	315992	1,34	down
6612561	7349817	1744633	dedicator of cyto-kinesis 3	Dock3	315992	1,25	up
6644682	7349817	1744650	dedicator of cyto-kinesis 3	Dock3	315992	1,11	up
6670549	7349817	1744632	dedicator of cyto-kinesis 3	Dock3	315992	1,55	up
6686195	7349817	1744646	dedicator of cyto-kinesis 3	Dock3	315992	1,50	up
6694371	7349817	1744620	dedicator of cyto-kinesis 3	Dock3	315992	1,01	up
6728780	7349817	1744649	dedicator of cyto-kinesis 3	Dock3	315992	1,37	up
6738251	7349817	1744591	dedicator of cyto-kinesis 3	Dock3	315992	1,19	up
5619477	7343052	1727542	dedicator of cytokinesis 6	Dock6	367039	1,12	down
5628661	7343052	1727511	dedicator of cytokinesis 6	Dock6	367039	1,32	down
5635602	7343052	1727534	dedicator of cytokinesis 6	Dock6	367039	1,10	up
5714395	7343052	1727541	dedicator of cytokinesis 6	Dock6	367039	1,30	up
5716538	7343052	1727501	dedicator of cytokinesis 6	Dock6	367039	1,38	up
5744378	7343052	1727515	dedicator of cytokinesis 6	Dock6	367039	1,50	up
5762277	7343052	1727540	dedicator of cytokinesis 6	Dock6	367039	2,22	up
5785954	7343052	1727548	dedicator of cytokinesis 6	Dock6	367039	1,03	up
5848315	7343052	1727552	dedicator of cytokinesis 6	Dock6	367039	1,10	down
5869156	7343052	1727522	dedicator of cytokinesis 6	Dock6	367039	1,24	up
5878071	7343052	1727551	dedicator of cytokinesis 6	Dock6	367039	1,37	down
5902522	7343052	1727518	dedicator of cytokinesis 6	Dock6	367039	1,05	up
5919941	7343052	1727525	dedicator of cytokinesis 6	Dock6	367039	1,21	up
5943567	7343052	1727545	dedicator of cytokinesis 6	Dock6	367039	1,94	down
5969432	7343052	1727510	dedicator of cytokinesis 6	Dock6	367039	1,86	up
5989182	7343052	1727532	dedicator of cytokinesis 6	Dock6	367039	1,13	down
6005933	7343052	1727544	dedicator of cytokinesis 6	Dock6	367039	1,25	down
6006575	7343052	1727520	dedicator of cytokinesis 6	Dock6	367039	1,28	down
6013369	7343052	1727516	dedicator of cytokinesis 6	Dock6	367039	1,49	up
6016301	7343052	1727547	dedicator of cytokinesis 6	Dock6	367039	1,24	up
6067186	7343052	1727507	dedicator of cytokinesis 6	Dock6	367039	1,15	up
6072479	7343052	1727524	dedicator of cytokinesis 6	Dock6	367039	1,10	up
6089642	7343052	1727519	dedicator of cytokinesis 6	Dock6	367039	1,33	down
6123599	7343052	1727521	dedicator of cytokinesis 6	Dock6	367039	1,34	down
6191312	7343052	1727535	dedicator of cytokinesis 6	Dock6	367039	1,35	up
6230256	7343052	1727502	dedicator of cytokinesis 6	Dock6	367039	1,02	down

6233960	7343052	1727536	dedicator of cytokinesis 6	Dock6	367039	1,15	down
6250228	7343052	1727540	dedicator of cytokinesis 6	Dock6	367039	1,11	down
6270147	7343052	1727533	dedicator of cytokinesis 6	Dock6	367039	1,27	down
6282337	7343052	1727503	dedicator of cytokinesis 6	Dock6	367039	1,02	up
6292815	7343052	1727505	dedicator of cytokinesis 6	Dock6	367039	1,15	up
6320641	7343052	1727531	dedicator of cytokinesis 6	Dock6	367039	1,15	up
6333159	7343052	1727507	dedicator of cytokinesis 6	Dock6	367039	1,73	down
6363061	7343052	1727553	dedicator of cytokinesis 6	Dock6	367039	1,46	down
6368287	7343052	1727549	dedicator of cytokinesis 6	Dock6	367039	1,05	down
6381288	7343052	1727527	dedicator of cytokinesis 6	Dock6	367039	1,05	up
6382684	7343052	1727550	dedicator of cytokinesis 6	Dock6	367039	1,52	down
6386771	7343052	1727526	dedicator of cytokinesis 6	Dock6	367039	1,03	up
6414962	7343052	1727512	dedicator of cytokinesis 6	Dock6	367039	1,09	down
6480170	7343052	1727517	dedicator of cytokinesis 6	Dock6	367039	1,55	up
6488991	7343052	1727519	dedicator of cytokinesis 6	Dock6	367039	1,90	down
6499372	7343052	1727523	dedicator of cytokinesis 6	Dock6	367039	1,00	up
6514265	7343052	1727543	dedicator of cytokinesis 6	Dock6	367039	1,05	up
6548939	7343052	1727529	dedicator of cytokinesis 6	Dock6	367039	1,26	down
6553691	7343052	1727530	dedicator of cytokinesis 6	Dock6	367039	1,50	up
6574747	7343052	1727508	dedicator of cytokinesis 6	Dock6	367039	1,10	down
6587522	7343052	1727509	dedicator of cytokinesis 6	Dock6	367039	1,31	down
6590146	7343052	1727543	dedicator of cytokinesis 6	Dock6	367039	1,06	down
6590519	7343052	1727518	dedicator of cytokinesis 6	Dock6	367039	1,31	up
6590944	7343052	1727514	dedicator of cytokinesis 6	Dock6	367039	1,59	down
6610451	7343052	1727504	dedicator of cytokinesis 6	Dock6	367039	1,82	up
6618327	7343052	1727546	dedicator of cytokinesis 6	Dock6	367039	1,07	up
6625166	7343052	1727513	dedicator of cytokinesis 6	Dock6	367039	1,28	up
6666486	7343052	1727519	dedicator of cytokinesis 6	Dock6	367039	1,06	down
6685625	7343052	1727506	dedicator of cytokinesis 6	Dock6	367039	1,25	down
5675411	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	2,49	up
5778958	7058768	1028790	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,50	up
5806604	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,38	up
5960970	7058768	1028791	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,09	up
6044525	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,87	up
6094678	7058768	1028787	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,37	down
6150050	7058768	1028789	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,27	down
6227807	7058768	1028788	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,88	down
6393456	7058768	1028794	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,01	down
6409387	7058768	1028790	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,14	up
6430321	7058768	1028798	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,17	down
6473906	7058768	1028796	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,28	up
6597555	7058768	1028797	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,21	up
6677201	7058768	1028793	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,08	down
6706870	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	2,12	up
6707651	7058768	1028795	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,12	down
6737066	7058768	1028792	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,14	up
6739360	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,13	up
5761610	7307688	1641930	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,02	down
5830097	7307688	1641934	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	2,27	down
6054137	7307688	1641932	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,94	down
6167779	7307688	1641928	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,36	up
6193968	7307688	1641931	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,11	down
6287284	7307688	1641929	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,17	up
6421191	7307688	1641933	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,70	down
6678118	7307688	1641935	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,11	up
6726376	7307688	1641928	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,54	up

5782500	7146093	1240973	deleted in liver cancer 1	Dlc1	58834	1,94	down
5845664	7146093	1240961	deleted in liver cancer 1	Dlc1	58834	1,60	down
5919066	7146093	1240983	deleted in liver cancer 1	Dlc1	58834	1,14	up
5946277	7146093	1240960	deleted in liver cancer 1	Dlc1	58834	1,52	down
6022501	7146093	1240974	deleted in liver cancer 1	Dlc1	58834	1,22	down
6078198	7146093	1240980	deleted in liver cancer 1	Dlc1	58834	1,18	down
6097567	7146093	1240968	deleted in liver cancer 1	Dlc1	58834	1,19	down
6114195	7146093	1240984	deleted in liver cancer 1	Dlc1	58834	1,06	up
6173999	7146093	1240976	deleted in liver cancer 1	Dlc1	58834	1,19	down
6203162	7146093	1240985	deleted in liver cancer 1	Dlc1	58834	2,28	down
6212119	7146093	1240983	deleted in liver cancer 1	Dlc1	58834	1,41	down
6226275	7146093	1240982	deleted in liver cancer 1	Dlc1	58834	1,20	up
6297338	7146093	1240967	deleted in liver cancer 1	Dlc1	58834	1,10	down
6317400	7146093	1240977	deleted in liver cancer 1	Dlc1	58834	1,33	up
6351433	7146093	1240972	deleted in liver cancer 1	Dlc1	58834	1,58	down
6362392	7146093	1240976	deleted in liver cancer 1	Dlc1	58834	1,10	down
6459740	7146093	1240984	deleted in liver cancer 1	Dlc1	58834	1,75	down
6645120	7146093	1240981	deleted in liver cancer 1	Dlc1	58834	1,19	down
5624138	7037488	979302	deleted in malignant brain tumors 1	Dmbt1	170568	1,05	up
5682388	7037488	979285	deleted in malignant brain tumors 1	Dmbt1	170568	1,15	down
5685260	7037488	979277	deleted in malignant brain tumors 1	Dmbt1	170568	1,11	up
5710068	7037488	979271	deleted in malignant brain tumors 1	Dmbt1	170568	1,27	down
5716461	7037488	979258	deleted in malignant brain tumors 1	Dmbt1	170568	1,00	down
5751078	7037488	979289	deleted in malignant brain tumors 1	Dmbt1	170568	1,14	up
5758983	7037488	979273	deleted in malignant brain tumors 1	Dmbt1	170568	1,69	down
5778569	7037488	979297	deleted in malignant brain tumors 1	Dmbt1	170568	1,70	down
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	1,06	up
5928472	7037488	979300	deleted in malignant brain tumors 1	Dmbt1	170568	1,52	down
5986501	7037488	979272	deleted in malignant brain tumors 1	Dmbt1	170568	1,09	up
5997221	7037488	979272	deleted in malignant brain tumors 1	Dmbt1	170568	1,15	down
6044339	7037488	979282	deleted in malignant brain tumors 1	Dmbt1	170568	1,03	down
6074350	7037488	979295	deleted in malignant brain tumors 1	Dmbt1	170568	1,55	up
6095710	7037488	979257	deleted in malignant brain tumors 1	Dmbt1	170568	1,36	down
6098703	7037488	979270	deleted in malignant brain tumors 1	Dmbt1	170568	1,39	up
6105899	7037488	979281	deleted in malignant brain tumors 1	Dmbt1	170568	1,58	up
6109487	7037488	979295	deleted in malignant brain tumors 1	Dmbt1	170568	1,27	down
6116995	7037488	979288	deleted in malignant brain tumors 1	Dmbt1	170568	1,72	up
6126374	7037488	979261	deleted in malignant brain tumors 1	Dmbt1	170568	1,16	up
6182481	7037488	979276	deleted in malignant brain tumors 1	Dmbt1	170568	1,09	down
6187283	7037488	979286	deleted in malignant brain tumors 1	Dmbt1	170568	1,65	up
6195131	7037488	979294	deleted in malignant brain tumors 1	Dmbt1	170568	1,14	down
6200099	7037488	979261	deleted in malignant brain tumors 1	Dmbt1	170568	1,47	down
6206643	7037488	979284	deleted in malignant brain tumors 1	Dmbt1	170568	1,08	up
6207118	7037488	979266	deleted in malignant brain tumors 1	Dmbt1	170568	1,78	down
6209744	7037488	979296	deleted in malignant brain tumors 1	Dmbt1	170568	1,15	up
6224451	7037488	979287	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
6226287	7037488	979290	deleted in malignant brain tumors 1	Dmbt1	170568	1,03	up
6266118	7037488	979297	deleted in malignant brain tumors 1	Dmbt1	170568	1,18	down
6305371	7037488	979262	deleted in malignant brain tumors 1	Dmbt1	170568	1,14	up
6347721	7037488	979283	deleted in malignant brain tumors 1	Dmbt1	170568	1,25	up
6348340	7037488	979279	deleted in malignant brain tumors 1	Dmbt1	170568	1,37	down
6377118	7037488	979267	deleted in malignant brain tumors 1	Dmbt1	170568	1,06	up
6379088	7037488	979268	deleted in malignant brain tumors 1	Dmbt1	170568	1,22	up
6419967	7037488	979293	deleted in malignant brain tumors 1	Dmbt1	170568	1,32	up
6439779	7037488	979284	deleted in malignant brain tumors 1	Dmbt1	170568	1,19	up

6446564	7037488	979284	deleted in malignant brain tumors 1	Dmbt1	170568	1,13	down
6447723	7037488	979264	deleted in malignant brain tumors 1	Dmbt1	170568	1,26	down
6484677	7037488	979272	deleted in malignant brain tumors 1	Dmbt1	170568	1,76	down
6507382	7037488	979263	deleted in malignant brain tumors 1	Dmbt1	170568	1,33	up
6507522	7037488	979260	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
6509074	7037488	979303	deleted in malignant brain tumors 1	Dmbt1	170568	1,12	down
6528635	7037488	979265	deleted in malignant brain tumors 1	Dmbt1	170568	1,07	down
6542318	7037488	979275	deleted in malignant brain tumors 1	Dmbt1	170568	1,12	up
6557127	7037488	979256	deleted in malignant brain tumors 1	Dmbt1	170568	1,13	down
6585866	7037488	979274	deleted in malignant brain tumors 1	Dmbt1	170568	1,12	up
6601647	7037488	979291	deleted in malignant brain tumors 1	Dmbt1	170568	1,03	up
6614095	7037488	979292	deleted in malignant brain tumors 1	Dmbt1	170568	1,07	up
6646326	7037488	979269	deleted in malignant brain tumors 1	Dmbt1	170568	1,00	down
6669123	7037488	979278	deleted in malignant brain tumors 1	Dmbt1	170568	1,52	down
6705924	7037488	979259	deleted in malignant brain tumors 1	Dmbt1	170568	1,18	down
6709701	7037488	979301	deleted in malignant brain tumors 1	Dmbt1	170568	1,06	down
6717802	7037488	979299	deleted in malignant brain tumors 1	Dmbt1	170568	1,08	up
6733333	7037488	979286	deleted in malignant brain tumors 1	Dmbt1	170568	1,07	down
6742336	7037488	979302	deleted in malignant brain tumors 1	Dmbt1	170568	1,26	up
5757641	7364655	1780719	delta/notch-like EGF repeat containing	Dner	316573	2,43	up
5857197	7364655	1780718	delta/notch-like EGF repeat containing	Dner	316573	1,96	up
5871292	7364655	1780711	delta/notch-like EGF repeat containing	Dner	316573	1,15	down
6104608	7364655	1780714	delta/notch-like EGF repeat containing	Dner	316573	1,08	down
6179867	7364655	1780715	delta/notch-like EGF repeat containing	Dner	316573	1,04	down
6196129	7364655	1780716	delta/notch-like EGF repeat containing	Dner	316573	1,52	up
6459899	7364655	1780710	delta/notch-like EGF repeat containing	Dner	316573	1,35	up
6509533	7364655	1780712	delta/notch-like EGF repeat containing	Dner	316573	1,45	down
6519118	7364655	1780717	delta/notch-like EGF repeat containing	Dner	316573	1,10	down
6640811	7364655	1780713	delta/notch-like EGF repeat containing	Dner	316573	1,07	down
5669423	7047097	1003762	delta-like 1 (Drosophila)	Dll1	84010	1,13	up
5766741	7047097	1003771	delta-like 1 (Drosophila)	Dll1	84010	1,20	up
5777791	7047097	1003770	delta-like 1 (Drosophila)	Dll1	84010	1,23	down
5780001	7047097	1003773	delta-like 1 (Drosophila)	Dll1	84010	1,20	down
5805262	7047097	1003768	delta-like 1 (Drosophila)	Dll1	84010	1,14	up
5872380	7047097	1003769	delta-like 1 (Drosophila)	Dll1	84010	1,46	down
6029479	7047097	1003766	delta-like 1 (Drosophila)	Dll1	84010	2,33	down
6031908	7047097	1003765	delta-like 1 (Drosophila)	Dll1	84010	1,82	up
6045020	7047097	1003763	delta-like 1 (Drosophila)	Dll1	84010	1,05	down
6198945	7047097	1003773	delta-like 1 (Drosophila)	Dll1	84010	1,42	down
6235085	7047097	1003762	delta-like 1 (Drosophila)	Dll1	84010	1,43	down
6251074	7047097	1003764	delta-like 1 (Drosophila)	Dll1	84010	1,40	up
6463078	7047097	1003772	delta-like 1 (Drosophila)	Dll1	84010	1,07	down
6467930	7047097	1003765	delta-like 1 (Drosophila)	Dll1	84010	1,05	down
6586859	7047097	1003767	delta-like 1 (Drosophila)	Dll1	84010	1,09	up
5660425	7231589	1451687	delta-like 4 (Drosophila)	Dll4	311332	1,16	up
5968263	7231589	1451683	delta-like 4 (Drosophila)	Dll4	311332	1,30	up
6008218	7231589	1451691	delta-like 4 (Drosophila)	Dll4	311332	1,02	up
6010993	7231589	1451685	delta-like 4 (Drosophila)	Dll4	311332	1,22	down
6015275	7231589	1451690	delta-like 4 (Drosophila)	Dll4	311332	1,77	up
6020544	7231589	1451692	delta-like 4 (Drosophila)	Dll4	311332	1,35	up
6189295	7231589	1451689	delta-like 4 (Drosophila)	Dll4	311332	1,27	down
6195831	7231589	1451694	delta-like 4 (Drosophila)	Dll4	311332	1,18	down
6416470	7231589	1451689	delta-like 4 (Drosophila)	Dll4	311332	1,22	up
6443386	7231589	1451688	delta-like 4 (Drosophila)	Dll4	311332	1,34	up
6462691	7231589	1451687	delta-like 4 (Drosophila)	Dll4	311332	1,10	down
6571478	7231589	1451684	delta-like 4 (Drosophila)	Dll4	311332	2,24	down

5618622	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,27	up
5652674	7238115	1468560	DENN/MADD domain containing 1A	Dennd1a	311913	1,39	up
5654121	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	1,12	up
5878815	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	2,11	down
6118957	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,18	down
6260291	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,43	down
6277382	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,13	down
6457093	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	1,50	up
6469535	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,42	up
6497149	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,18	up
6723697	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	1,01	up
5718833	7197820	1370092	DENN/MADD domain containing 2D	Dennd2d	310772	2,11	up
5724436	7197820	1370094	DENN/MADD domain containing 2D	Dennd2d	310772	1,02	up
5856190	7197820	1370101	DENN/MADD domain containing 2D	Dennd2d	310772	1,66	up
5941428	7197820	1370088	DENN/MADD domain containing 2D	Dennd2d	310772	1,11	down
6044874	7197820	1370095	DENN/MADD domain containing 2D	Dennd2d	310772	1,45	up
6048553	7197820	1370095	DENN/MADD domain containing 2D	Dennd2d	310772	1,11	up
6243263	7197820	1370100	DENN/MADD domain containing 2D	Dennd2d	310772	1,22	down
6273129	7197820	1370091	DENN/MADD domain containing 2D	Dennd2d	310772	1,71	up
6337515	7197820	1370103	DENN/MADD domain containing 2D	Dennd2d	310772	1,37	up
6372753	7197820	1370085	DENN/MADD domain containing 2D	Dennd2d	310772	1,10	down
6387889	7197820	1370093	DENN/MADD domain containing 2D	Dennd2d	310772	2,01	up
6604594	7197820	1370102	DENN/MADD domain containing 2D	Dennd2d	310772	1,04	up
6673039	7197820	1370090	DENN/MADD domain containing 2D	Dennd2d	310772	1,19	up
5867932	7124111	1187271	deoxycytidine kinase	Dck	79127	1,31	up
6131064	7124111	1187276	deoxycytidine kinase	Dck	79127	2,24	down
6214002	7124111	1187274	deoxycytidine kinase	Dck	79127	1,15	up
6336088	7124111	1187276	deoxycytidine kinase	Dck	79127	1,20	down
6480094	7124111	1187275	deoxycytidine kinase	Dck	79127	1,12	down
6550412	7124111	1187273	deoxycytidine kinase	Dck	79127	1,35	up
6631579	7124111	1187272	deoxycytidine kinase	Dck	79127	1,15	down
6694605	7124111	1187270	deoxycytidine kinase	Dck	79127	1,27	up
5622106	7235319	1461545	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,02	down
5651705	7235319	1461544	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,28	up
5740488	7235319	1461544	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	2,14	down
5745074	7235319	1461541	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,06	down
5780131	7235319	1461539	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,01	down
5995655	7235319	1461546	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,16	up
6006946	7235319	1461533	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,14	up
6140383	7235319	1461547	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,23	down
6188980	7235319	1461542	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,27	up
6226141	7235319	1461535	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,17	up
6240465	7235319	1461537	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,47	down
6407338	7235319	1461532	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,17	up
6465808	7235319	1461538	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,39	up
6490717	7235319	1461540	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,02	up
6497092	7235319	1461534	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,04	down
6543726	7235319	1461534	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,15	up
6569109	7235319	1461543	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,03	down
6713573	7235319	1461536	deoxynucleotidyltransferase, terminal, interacting protein 1	Dnttip1	171437	1,26	down
5624930	7378634	1817780	deoxyribonuclease 1-like 1	Dnase111	363522	1,38	down
5951640	7378634	1817779	deoxyribonuclease 1-like 1	Dnase111	363522	1,02	up
5994163	7378634	1817775	deoxyribonuclease 1-like 1	Dnase111	363522	1,17	up
6079916	7378634	1817781	deoxyribonuclease 1-like 1	Dnase111	363522	1,01	up
6132287	7378634	1817776	deoxyribonuclease 1-like 1	Dnase111	363522	1,13	up
6142374	7378634	1817777	deoxyribonuclease 1-like 1	Dnase111	363522	1,40	up

6209837	7378634	1817780	deoxyribonuclease 1-like 1	Dnase111	363522	1,19	down
6500813	7378634	1817778	deoxyribonuclease 1-like 1	Dnase111	363522	2,02	down
6566969	7378634	1817780	deoxyribonuclease 1-like 1	Dnase111	363522	1,68	down
6600861	7378634	1817775	deoxyribonuclease 1-like 1	Dnase111	363522	1,14	down
6640990	7378634	1817780	deoxyribonuclease 1-like 1	Dnase111	363522	1,32	down
6676613	7378634	1817780	deoxyribonuclease 1-like 1	Dnase111	363522	1,30	down
5685682	7074943	1068287	deoxyribonuclease I	Dnase1	25633	1,29	down
5699193	7074943	1068282	deoxyribonuclease I	Dnase1	25633	1,11	down
5715048	7074943	1068280	deoxyribonuclease I	Dnase1	25633	1,36	down
5860077	7074943	1068280	deoxyribonuclease I	Dnase1	25633	2,02	down
5895315	7074943	1068282	deoxyribonuclease I	Dnase1	25633	1,40	up
5915629	7074943	1068286	deoxyribonuclease I	Dnase1	25633	1,00	down
6066555	7074943	1068288	deoxyribonuclease I	Dnase1	25633	1,03	up
6093203	7074943	1068288	deoxyribonuclease I	Dnase1	25633	1,02	down
6372921	7074943	1068285	deoxyribonuclease I	Dnase1	25633	1,05	up
6380886	7074943	1068283	deoxyribonuclease I	Dnase1	25633	1,03	down
6460148	7074943	1068281	deoxyribonuclease I	Dnase1	25633	1,24	up
6686785	7074943	1068284	deoxyribonuclease I	Dnase1	25633	1,03	up
6689925	7074943	1068287	deoxyribonuclease I	Dnase1	25633	1,09	down
5712157	7331237	1698716	developing brain homeobox 2	Dbx2	541457	2,05	down
5799068	7331237	1698714	developing brain homeobox 2	Dbx2	541457	1,07	down
5925001	7331237	1698713	developing brain homeobox 2	Dbx2	541457	1,07	down
5976138	7331237	1698714	developing brain homeobox 2	Dbx2	541457	1,64	down
6485515	7331237	1698713	developing brain homeobox 2	Dbx2	541457	1,04	down
5718570	7100396	1128562	diacylglycerol lipase, beta	Daglb	304289	1,69	up
5836570	7100396	1128561	diacylglycerol lipase, beta	Daglb	304289	1,81	up
5858593	7100396	1128561	diacylglycerol lipase, beta	Daglb	304289	1,03	down
5874708	7100396	1128572	diacylglycerol lipase, beta	Daglb	304289	1,13	up
5874967	7100396	1128564	diacylglycerol lipase, beta	Daglb	304289	1,24	down
5878624	7100396	1128576	diacylglycerol lipase, beta	Daglb	304289	1,47	down
5934805	7100396	1128578	diacylglycerol lipase, beta	Daglb	304289	1,01	down
6008373	7100396	1128567	diacylglycerol lipase, beta	Daglb	304289	1,37	down
6013555	7100396	1128563	diacylglycerol lipase, beta	Daglb	304289	1,29	up
6072691	7100396	1128564	diacylglycerol lipase, beta	Daglb	304289	1,05	down
6073223	7100396	1128568	diacylglycerol lipase, beta	Daglb	304289	2,01	down
6172844	7100396	1128574	diacylglycerol lipase, beta	Daglb	304289	1,15	up
6207819	7100396	1128578	diacylglycerol lipase, beta	Daglb	304289	1,75	up
6211059	7100396	1128571	diacylglycerol lipase, beta	Daglb	304289	1,06	up
6252587	7100396	1128575	diacylglycerol lipase, beta	Daglb	304289	1,05	down
6290900	7100396	1128573	diacylglycerol lipase, beta	Daglb	304289	1,01	up
6294116	7100396	1128577	diacylglycerol lipase, beta	Daglb	304289	1,18	down
6453637	7100396	1128563	diacylglycerol lipase, beta	Daglb	304289	1,13	up
6494071	7100396	1128578	diacylglycerol lipase, beta	Daglb	304289	1,30	down
6508236	7100396	1128577	diacylglycerol lipase, beta	Daglb	304289	1,31	down
6527894	7100396	1128570	diacylglycerol lipase, beta	Daglb	304289	1,58	down
6533778	7100396	1128565	diacylglycerol lipase, beta	Daglb	304289	1,03	up
6697262	7100396	1128566	diacylglycerol lipase, beta	Daglb	304289	1,04	up
5967807	7376820	1813440	diaphanous homolog 2 (Drosophila)	Diaph2	317189	1,10	down
6427008	7376820	1813434	diaphanous homolog 2 (Drosophila)	Diaph2	317189	1,17	down
6483803	7376820	1813416	diaphanous homolog 2 (Drosophila)	Diaph2	317189	1,27	down
5697102	7290172	1597110	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,15	down
5706173	7290172	1597114	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	2,40	up
5860625	7290172	1597108	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,42	down
5899512	7290172	1597112	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,27	up
6004478	7290172	1597112	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,09	up
6163667	7290172	1597107	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,11	up

6167079	7290172	1597112	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,02	down
6195936	7290172	1597115	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,08	up
6297694	7290172	1597113	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,02	down
6361533	7290172	1597112	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,06	down
6489935	7290172	1597115	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,06	up
6599136	7290172	1597109	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,19	down
6631598	7290172	1597112	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,36	down
6663858	7290172	1597111	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,29	down
6666691	7290172	1597116	diencephalon/mesencephalon homeobox 1	Dmbx1	313512	1,19	up
5705556	7345462	1733816	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,04	up
5879359	7345462	1733811	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,07	down
5903492	7345462	1733800	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,73	up
5910590	7345462	1733813	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,19	down
5988442	7345462	1733816	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,27	up
6073153	7345462	1733804	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,14	down
6134185	7345462	1733803	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,72	down
6171806	7345462	1733812	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,28	down
6336649	7345462	1733801	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,22	down
6350530	7345462	1733815	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,28	up
6373152	7345462	1733802	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,01	down
6389114	7345462	1733799	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,60	down
6408896	7345462	1733810	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,08	down
6447856	7345462	1733816	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,06	up
6490142	7345462	1733816	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,10	up
6511269	7345462	1733807	dihydroliipoamide S-acetyltransferase	Dlat	81654	2,29	up
6630478	7345462	1733811	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,17	up
6648503	7345462	1733808	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,05	down
6669940	7345462	1733814	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,07	up
6676409	7345462	1733806	dihydroliipoamide S-acetyltransferase	Dlat	81654	1,05	down
5618812	7196187	1365986	Dingo protein	LOC499653	499653	1,31	up
5634713	7196187	1365990	Dingo protein	LOC499653	499653	1,38	down
5697261	7196187	1365988	Dingo protein	LOC499653	499653	2,19	down
5702379	7196187	1365957	Dingo protein	LOC499653	499653	2,01	down
5705457	7196187	1365960	Dingo protein	LOC499653	499653	1,39	up
5787169	7196187	1365988	Dingo protein	LOC499653	499653	1,11	down
5796314	7196187	1365976	Dingo protein	LOC499653	499653	1,27	down
5801539	7196187	1365954	Dingo protein	LOC499653	499653	1,27	up
5850776	7196187	1365978	Dingo protein	LOC499653	499653	1,04	up
5944011	7196187	1365978	Dingo protein	LOC499653	499653	1,10	up
5988035	7196187	1365989	Dingo protein	LOC499653	499653	1,09	up
5988393	7196187	1365966	Dingo protein	LOC499653	499653	1,37	up
5994131	7196187	1365988	Dingo protein	LOC499653	499653	1,35	down
6012934	7196187	1365953	Dingo protein	LOC499653	499653	1,10	down
6057975	7196187	1365979	Dingo protein	LOC499653	499653	1,03	up
6075212	7196187	1365982	Dingo protein	LOC499653	499653	1,24	up
6112453	7196187	1365974	Dingo protein	LOC499653	499653	1,09	down
6140082	7196187	1365981	Dingo protein	LOC499653	499653	1,30	down
6160785	7196187	1365962	Dingo protein	LOC499653	499653	1,01	up
6180703	7196187	1365972	Dingo protein	LOC499653	499653	1,03	down
6219148	7196187	1365983	Dingo protein	LOC499653	499653	1,03	down
6225410	7196187	1365965	Dingo protein	LOC499653	499653	1,03	down
6230322	7196187	1365954	Dingo protein	LOC499653	499653	1,34	down
6247015	7196187	1365985	Dingo protein	LOC499653	499653	1,22	down
6272877	7196187	1365980	Dingo protein	LOC499653	499653	1,12	up
6305887	7196187	1365953	Dingo protein	LOC499653	499653	1,04	down
6358177	7196187	1365988	Dingo protein	LOC499653	499653	1,13	down

6364769	7196187	1365959	Dingo protein	LOC499653	499653	1,01	up
6368139	7196187	1365970	Dingo protein	LOC499653	499653	1,60	up
6388733	7196187	1365971	Dingo protein	LOC499653	499653	1,31	up
6422387	7196187	1365965	Dingo protein	LOC499653	499653	1,02	up
6462208	7196187	1365975	Dingo protein	LOC499653	499653	1,26	down
6471253	7196187	1365958	Dingo protein	LOC499653	499653	1,31	down
6566511	7196187	1365967	Dingo protein	LOC499653	499653	1,05	down
6567221	7196187	1365987	Dingo protein	LOC499653	499653	1,43	up
6569301	7196187	1365984	Dingo protein	LOC499653	499653	1,66	down
6576128	7196187	1365988	Dingo protein	LOC499653	499653	1,30	up
6624434	7196187	1365977	Dingo protein	LOC499653	499653	1,16	up
6680711	7196187	1365970	Dingo protein	LOC499653	499653	1,20	down
6686856	7196187	1365963	Dingo protein	LOC499653	499653	1,35	up
6714070	7196187	1365973	Dingo protein	LOC499653	499653	1,18	down
6715109	7196187	1365961	Dingo protein	LOC499653	499653	1,36	up
6729307	7196187	1365957	Dingo protein	LOC499653	499653	1,33	down
5727181	7217747	1417512	DIP2 disco-interacting protein 2 homolog A (Drosophila) /// similar to Disco-interDip2a /// LOC68768: 690211 /// 687682			1,04	down
6131700	7217747	1417466	DIP2 disco-interacting protein 2 homolog A (Drosophila) /// similar to Disco-interDip2a /// LOC68768: 690211 /// 687682			1,14	down
5700078	7185021	1337940	dipeptidase 3	Dpep3	364994	1,40	down
5717527	7185021	1337946	dipeptidase 3	Dpep3	364994	1,01	down
5802528	7185021	1337946	dipeptidase 3	Dpep3	364994	1,09	down
5823300	7185021	1337941	dipeptidase 3	Dpep3	364994	1,77	down
5888140	7185021	1337937	dipeptidase 3	Dpep3	364994	1,01	down
5916091	7185021	1337946	dipeptidase 3	Dpep3	364994	1,31	up
5928869	7185021	1337938	dipeptidase 3	Dpep3	364994	1,45	up
5939301	7185021	1337939	dipeptidase 3	Dpep3	364994	1,20	up
6008388	7185021	1337937	dipeptidase 3	Dpep3	364994	1,83	down
6104318	7185021	1337936	dipeptidase 3	Dpep3	364994	1,03	down
6333828	7185021	1337946	dipeptidase 3	Dpep3	364994	2,51	up
6352778	7185021	1337944	dipeptidase 3	Dpep3	364994	1,14	down
6382012	7185021	1337942	dipeptidase 3	Dpep3	364994	1,02	down
6431978	7185021	1337937	dipeptidase 3	Dpep3	364994	1,39	down
6532570	7185021	1337943	dipeptidase 3	Dpep3	364994	1,08	down
6614721	7185021	1337945	dipeptidase 3	Dpep3	364994	1,14	down
5676712	7367994	1789236	dipeptidyl peptidase 9	Dpp9	301130	2,36	up
5864317	7367994	1789265	dipeptidyl peptidase 9	Dpp9	301130	1,05	up
5994381	7367994	1789258	dipeptidyl peptidase 9	Dpp9	301130	1,04	up
6040212	7367994	1789253	dipeptidyl peptidase 9	Dpp9	301130	1,20	down
6052098	7367994	1789246	dipeptidyl peptidase 9	Dpp9	301130	1,07	up
6107182	7367994	1789240	dipeptidyl peptidase 9	Dpp9	301130	1,06	up
6196939	7367994	1789252	dipeptidyl peptidase 9	Dpp9	301130	1,05	down
6237473	7367994	1789237	dipeptidyl peptidase 9	Dpp9	301130	1,09	down
6256375	7367994	1789264	dipeptidyl peptidase 9	Dpp9	301130	1,11	down
6290056	7367994	1789254	dipeptidyl peptidase 9	Dpp9	301130	1,06	down
6305923	7367994	1789262	dipeptidyl peptidase 9	Dpp9	301130	1,00	up
6314083	7367994	1789261	dipeptidyl peptidase 9	Dpp9	301130	1,16	down
6316624	7367994	1789257	dipeptidyl peptidase 9	Dpp9	301130	1,01	down
6350545	7367994	1789259	dipeptidyl peptidase 9	Dpp9	301130	1,00	down
6404281	7367994	1789250	dipeptidyl peptidase 9	Dpp9	301130	1,13	down
6450064	7367994	1789247	dipeptidyl peptidase 9	Dpp9	301130	1,12	up
6461085	7367994	1789260	dipeptidyl peptidase 9	Dpp9	301130	1,19	down
6473119	7367994	1789248	dipeptidyl peptidase 9	Dpp9	301130	1,07	down
6478190	7367994	1789266	dipeptidyl peptidase 9	Dpp9	301130	1,22	down
6519986	7367994	1789247	dipeptidyl peptidase 9	Dpp9	301130	1,04	down
6600825	7367994	1789249	dipeptidyl peptidase 9	Dpp9	301130	1,17	up
5656775	7110544	1153434	dipeptidylpeptidase 10	Dpp10	363972	1,20	down

5681502	7110544	1153440	dipeptidylpeptidase 10	Dpp10	363972	1,23	up
5738581	7110544	1153423	dipeptidylpeptidase 10	Dpp10	363972	1,24	up
5808966	7110544	1153430	dipeptidylpeptidase 10	Dpp10	363972	1,52	down
5829355	7110544	1153438	dipeptidylpeptidase 10	Dpp10	363972	2,09	up
5850663	7110544	1153421	dipeptidylpeptidase 10	Dpp10	363972	1,41	up
5876764	7110544	1153427	dipeptidylpeptidase 10	Dpp10	363972	1,49	down
5931635	7110544	1153426	dipeptidylpeptidase 10	Dpp10	363972	1,45	down
6096519	7110544	1153432	dipeptidylpeptidase 10	Dpp10	363972	2,24	up
6100481	7110544	1153431	dipeptidylpeptidase 10	Dpp10	363972	1,64	down
6158995	7110544	1153436	dipeptidylpeptidase 10	Dpp10	363972	1,25	down
6164646	7110544	1153424	dipeptidylpeptidase 10	Dpp10	363972	1,62	down
6295263	7110544	1153442	dipeptidylpeptidase 10	Dpp10	363972	2,20	up
6332293	7110544	1153429	dipeptidylpeptidase 10	Dpp10	363972	1,39	up
6384461	7110544	1153425	dipeptidylpeptidase 10	Dpp10	363972	1,46	down
6393140	7110544	1153428	dipeptidylpeptidase 10	Dpp10	363972	1,61	down
6530056	7110544	1153441	dipeptidylpeptidase 10	Dpp10	363972	1,90	up
6551339	7110544	1153426	dipeptidylpeptidase 10	Dpp10	363972	1,22	down
6559132	7110544	1153437	dipeptidylpeptidase 10	Dpp10	363972	1,63	down
6572553	7110544	1153435	dipeptidylpeptidase 10	Dpp10	363972	1,14	up
6603198	7110544	1153437	dipeptidylpeptidase 10	Dpp10	363972	2,89	up
6625826	7110544	1153420	dipeptidylpeptidase 10	Dpp10	363972	1,57	down
6689335	7110544	1153433	dipeptidylpeptidase 10	Dpp10	363972	1,01	up
6698443	7110544	1153439	dipeptidylpeptidase 10	Dpp10	363972	1,59	down
6732419	7110544	1153422	dipeptidylpeptidase 10	Dpp10	363972	1,58	down
5644388	7239509	1472532	dipeptidylpeptidase 4	Dpp4	25253	1,00	up
5696029	7239509	1472544	dipeptidylpeptidase 4	Dpp4	25253	1,02	up
5708705	7239509	1472546	dipeptidylpeptidase 4	Dpp4	25253	1,00	down
5749938	7239509	1472552	dipeptidylpeptidase 4	Dpp4	25253	1,06	up
5779380	7239509	1472553	dipeptidylpeptidase 4	Dpp4	25253	1,14	down
5850383	7239509	1472547	dipeptidylpeptidase 4	Dpp4	25253	1,03	up
5868854	7239509	1472542	dipeptidylpeptidase 4	Dpp4	25253	1,06	down
5875780	7239509	1472551	dipeptidylpeptidase 4	Dpp4	25253	1,16	down
5906046	7239509	1472540	dipeptidylpeptidase 4	Dpp4	25253	1,07	down
5924377	7239509	1472550	dipeptidylpeptidase 4	Dpp4	25253	1,00	up
5936507	7239509	1472534	dipeptidylpeptidase 4	Dpp4	25253	1,02	up
5956312	7239509	1472539	dipeptidylpeptidase 4	Dpp4	25253	1,28	down
6014475	7239509	1472548	dipeptidylpeptidase 4	Dpp4	25253	1,00	down
6065981	7239509	1472535	dipeptidylpeptidase 4	Dpp4	25253	1,41	up
6139050	7239509	1472545	dipeptidylpeptidase 4	Dpp4	25253	1,04	up
6214358	7239509	1472536	dipeptidylpeptidase 4	Dpp4	25253	1,02	up
6280192	7239509	1472549	dipeptidylpeptidase 4	Dpp4	25253	1,04	up
6280260	7239509	1472554	dipeptidylpeptidase 4	Dpp4	25253	1,01	up
6336252	7239509	1472555	dipeptidylpeptidase 4	Dpp4	25253	1,16	down
6340060	7239509	1472547	dipeptidylpeptidase 4	Dpp4	25253	1,17	down
6409894	7239509	1472556	dipeptidylpeptidase 4	Dpp4	25253	1,10	down
6484791	7239509	1472537	dipeptidylpeptidase 4	Dpp4	25253	2,03	down
6496641	7239509	1472530	dipeptidylpeptidase 4	Dpp4	25253	1,02	down
6551865	7239509	1472538	dipeptidylpeptidase 4	Dpp4	25253	1,19	up
6555083	7239509	1472531	dipeptidylpeptidase 4	Dpp4	25253	1,01	up
6609982	7239509	1472543	dipeptidylpeptidase 4	Dpp4	25253	1,77	up
6697169	7239509	1472533	dipeptidylpeptidase 4	Dpp4	25253	1,03	up
6697355	7239509	1472541	dipeptidylpeptidase 4	Dpp4	25253	1,13	up
6727963	7239509	1472532	dipeptidylpeptidase 4	Dpp4	25253	1,00	up
5674446	7260307	1523400	dipeptidylpeptidase 6	Dpp6	29272	1,23	down
5787741	7260307	1523417	dipeptidylpeptidase 6	Dpp6	29272	1,43	up
5793799	7260307	1523404	dipeptidylpeptidase 6	Dpp6	29272	1,19	up

5794592	7260307	1523395	dipeptidylpeptidase 6	Dpp6	29272	1,25	down
5838017	7260307	1523401	dipeptidylpeptidase 6	Dpp6	29272	1,14	up
5868487	7260307	1523405	dipeptidylpeptidase 6	Dpp6	29272	1,38	down
5870852	7260307	1523414	dipeptidylpeptidase 6	Dpp6	29272	1,02	down
5948572	7260307	1523396	dipeptidylpeptidase 6	Dpp6	29272	1,09	up
5961961	7260307	1523408	dipeptidylpeptidase 6	Dpp6	29272	1,22	up
6055158	7260307	1523399	dipeptidylpeptidase 6	Dpp6	29272	1,04	down
6063996	7260307	1523406	dipeptidylpeptidase 6	Dpp6	29272	1,12	down
6100361	7260307	1523393	dipeptidylpeptidase 6	Dpp6	29272	1,29	down
6172139	7260307	1523407	dipeptidylpeptidase 6	Dpp6	29272	1,67	up
6181567	7260307	1523412	dipeptidylpeptidase 6	Dpp6	29272	1,46	down
6293548	7260307	1523409	dipeptidylpeptidase 6	Dpp6	29272	1,45	down
6294171	7260307	1523419	dipeptidylpeptidase 6	Dpp6	29272	2,10	up
6334152	7260307	1523398	dipeptidylpeptidase 6	Dpp6	29272	1,00	up
6361411	7260307	1523419	dipeptidylpeptidase 6	Dpp6	29272	1,52	up
6375571	7260307	1523411	dipeptidylpeptidase 6	Dpp6	29272	1,45	up
6381779	7260307	1523418	dipeptidylpeptidase 6	Dpp6	29272	1,19	up
6392588	7260307	1523413	dipeptidylpeptidase 6	Dpp6	29272	1,11	down
6412427	7260307	1523403	dipeptidylpeptidase 6	Dpp6	29272	1,14	up
6461473	7260307	1523415	dipeptidylpeptidase 6	Dpp6	29272	1,08	up
6463236	7260307	1523394	dipeptidylpeptidase 6	Dpp6	29272	1,33	down
6545474	7260307	1523416	dipeptidylpeptidase 6	Dpp6	29272	1,38	up
6610818	7260307	1523410	dipeptidylpeptidase 6	Dpp6	29272	1,35	up
6662810	7260307	1523402	dipeptidylpeptidase 6	Dpp6	29272	1,02	up
6678400	7260307	1523397	dipeptidylpeptidase 6	Dpp6	29272	1,58	up
5722378	7277904	1567786	disabled homolog 1 (Drosophila)	Dab1	266729	1,50	up
5730790	7277904	1567794	disabled homolog 1 (Drosophila)	Dab1	266729	1,13	down
5860105	7277904	1567794	disabled homolog 1 (Drosophila)	Dab1	266729	3,70	up
5954445	7277904	1567793	disabled homolog 1 (Drosophila)	Dab1	266729	1,03	down
5991473	7277904	1567791	disabled homolog 1 (Drosophila)	Dab1	266729	1,04	up
6067648	7277904	1567796	disabled homolog 1 (Drosophila)	Dab1	266729	1,06	down
6085891	7277904	1567788	disabled homolog 1 (Drosophila)	Dab1	266729	1,03	up
6188859	7277904	1567789	disabled homolog 1 (Drosophila)	Dab1	266729	1,58	up
6212266	7277904	1567795	disabled homolog 1 (Drosophila)	Dab1	266729	1,11	down
6217388	7277904	1567785	disabled homolog 1 (Drosophila)	Dab1	266729	1,35	down
6335381	7277904	1567793	disabled homolog 1 (Drosophila)	Dab1	266729	1,46	down
6493888	7277904	1567792	disabled homolog 1 (Drosophila)	Dab1	266729	1,09	down
6561268	7277904	1567784	disabled homolog 1 (Drosophila)	Dab1	266729	1,11	down
6592422	7277904	1567794	disabled homolog 1 (Drosophila)	Dab1	266729	1,12	down
6703309	7277904	1567790	disabled homolog 1 (Drosophila)	Dab1	266729	1,30	up
6727086	7277904	1567787	disabled homolog 1 (Drosophila)	Dab1	266729	1,43	down
5722979	7375958	1811489	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,58	up
5755526	7375958	1811496	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,05	down
5780648	7375958	1811481	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,23	up
5907661	7375958	1811488	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,09	down
5915851	7375958	1811484	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,03	up
6013707	7375958	1811487	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,37	up
6060689	7375958	1811498	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,11	down
6070347	7375958	1811492	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,48	down
6235952	7375958	1811479	discs, large homolog 3 (Drosophila)	Dlg3	58948	2,06	up
6289287	7375958	1811493	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,33	down
6292500	7375958	1811485	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,37	up
6331307	7375958	1811491	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,45	down
6335832	7375958	1811490	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,12	down
6339706	7375958	1811497	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,05	up
6356643	7375958	1811480	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,41	up

6369945	7375958	1811494	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,01	down
6417912	7375958	1811495	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,01	down
6418605	7375958	1811482	discs, large homolog 3 (Drosophila)	Dlg3	58948	2,12	up
6447592	7375958	1811499	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,39	down
6653462	7375958	1811479	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,43	up
6690496	7375958	1811483	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,13	up
6718423	7375958	1811486	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,56	up
5633271	7129578	1200068	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,08	up
5668512	7129578	1200052	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,06	up
5688983	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,34	down
5716168	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,10	up
5728317	7129578	1200043	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,26	down
5736555	7129578	1200048	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,24	up
5753102	7129578	1200061	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,01	up
5829481	7129578	1200063	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,55	up
5891572	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,01	up
5898738	7129578	1200063	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,00	up
6028900	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,46	up
6030898	7129578	1200062	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,02	down
6065375	7129578	1200044	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,15	up
6080814	7129578	1200053	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,19	up
6119011	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,26	up
6125576	7129578	1200072	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,34	down
6270330	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,09	down
6287202	7129578	1200056	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,27	up
6303609	7129578	1200069	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,05	down
6303653	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,32	down
6377028	7129578	1200071	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,03	down
6377928	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	2,01	down
6442360	7129578	1200074	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,06	up
6459805	7129578	1200054	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,55	down
6490724	7129578	1200050	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,03	down
6493292	7129578	1200055	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,32	up
6500987	7129578	1200045	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,35	down
6577800	7129578	1200049	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,52	down
6593885	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,29	down
6597583	7129578	1200059	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,62	up
6608120	7129578	1200057	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,11	up
6633038	7129578	1200060	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,01	down
6645228	7129578	1200046	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,29	down
6672136	7129578	1200042	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,69	down
6691832	7129578	1200053	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,32	down
6702602	7129578	1200047	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,19	up
5668473	7345465	1733832	DIX domain containing 1	Dixdc1	363062	1,42	down
5682166	7345465	1733845	DIX domain containing 1	Dixdc1	363062	1,01	up
5720655	7345465	1733838	DIX domain containing 1	Dixdc1	363062	2,02	down
5773568	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,26	up
5862928	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,85	down
5881916	7345465	1733837	DIX domain containing 1	Dixdc1	363062	1,20	down
6061482	7345465	1733847	DIX domain containing 1	Dixdc1	363062	1,14	down
6073327	7345465	1733820	DIX domain containing 1	Dixdc1	363062	2,18	down
6094717	7345465	1733834	DIX domain containing 1	Dixdc1	363062	1,22	up
6133156	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,30	down
6189362	7345465	1733824	DIX domain containing 1	Dixdc1	363062	1,27	down
6190068	7345465	1733826	DIX domain containing 1	Dixdc1	363062	1,05	up
6223917	7345465	1733821	DIX domain containing 1	Dixdc1	363062	1,23	up

6242773	7345465	1733830	DIX domain containing 1	Dixdc1	363062	1,01	down
6267436	7345465	1733829	DIX domain containing 1	Dixdc1	363062	1,25	up
6278461	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,31	down
6370099	7345465	1733833	DIX domain containing 1	Dixdc1	363062	1,30	down
6389998	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,01	up
6459759	7345465	1733846	DIX domain containing 1	Dixdc1	363062	1,42	up
6551858	7345465	1733828	DIX domain containing 1	Dixdc1	363062	1,59	down
6671327	7345465	1733846	DIX domain containing 1	Dixdc1	363062	1,83	down
6717501	7345465	1733851	DIX domain containing 1	Dixdc1	363062	1,15	up
6722336	7345465	1733831	DIX domain containing 1	Dixdc1	363062	1,23	down
6739667	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,26	down
5663083	7278352	1569012	DMRT-like family A2	Dmrta2	313471	1,31	down
5664439	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,03	down
5664868	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,07	up
5709551	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,02	up
5897445	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,60	down
5926625	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,34	down
6061710	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,00	up
6149317	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,55	up
6227959	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,01	down
6233284	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,07	up
6235105	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,00	up
6240976	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,11	up
6241210	7278352	1569016	DMRT-like family A2	Dmrta2	313471	2,20	up
6260072	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,00	up
6267320	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,21	down
6277077	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,04	down
6303606	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,38	up
6380261	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,21	up
5917951	7382544	1826449	DMRT-like family C1c	Dmrta2	313471	1,66	down
6010602	7382544	1826445	DMRT-like family C1c	Dmrta2	313471	2,31	up
6058748	7382544	1826446	DMRT-like family C1c	Dmrta2	313471	1,15	up
6140504	7382544	1826451	DMRT-like family C1c	Dmrta2	313471	1,03	up
6315158	7382544	1826448	DMRT-like family C1c	Dmrta2	313471	1,51	down
6390182	7382544	1826447	DMRT-like family C1c	Dmrta2	313471	1,09	down
6399463	7382544	1826451	DMRT-like family C1c	Dmrta2	313471	1,18	down
6457901	7382544	1826448	DMRT-like family C1c	Dmrta2	313471	1,17	up
6476759	7382544	1826450	DMRT-like family C1c	Dmrta2	313471	1,07	down
6724731	7382544	1826452	DMRT-like family C1c	Dmrta2	313471	1,39	up
5648876	7345882	1734805	Dmx-like 2	Dmxl2	315676	1,17	down
5702195	7345882	1734791	Dmx-like 2	Dmxl2	315676	1,05	down
5725260	7345882	1734794	Dmx-like 2	Dmxl2	315676	2,02	down
5736250	7345882	1734812	Dmx-like 2	Dmxl2	315676	1,07	up
5804174	7345882	1734796	Dmx-like 2	Dmxl2	315676	1,52	down
5804292	7345882	1734816	Dmx-like 2	Dmxl2	315676	1,32	up
5815064	7345882	1734796	Dmx-like 2	Dmxl2	315676	2,32	down
5837716	7345882	1734792	Dmx-like 2	Dmxl2	315676	1,08	down
5867625	7345882	1734807	Dmx-like 2	Dmxl2	315676	1,07	down
5880156	7345882	1734808	Dmx-like 2	Dmxl2	315676	1,04	up
5961117	7345882	1734806	Dmx-like 2	Dmxl2	315676	1,77	down
5980396	7345882	1734801	Dmx-like 2	Dmxl2	315676	1,08	up
5981424	7345882	1734790	Dmx-like 2	Dmxl2	315676	1,17	up
6111684	7345882	1734792	Dmx-like 2	Dmxl2	315676	1,02	down
6132457	7345882	1734796	Dmx-like 2	Dmxl2	315676	1,11	up
6137774	7345882	1734789	Dmx-like 2	Dmxl2	315676	1,09	down
6153947	7345882	1734793	Dmx-like 2	Dmxl2	315676	1,25	up

6182599	7345882	1734808	Dmx-like 2	Dmxl2	315676	1,28	up
6230761	7345882	1734798	Dmx-like 2	Dmxl2	315676	1,52	up
6441645	7345882	1734806	Dmx-like 2	Dmxl2	315676	1,20	up
6479687	7345882	1734795	Dmx-like 2	Dmxl2	315676	1,62	up
6487595	7345882	1734812	Dmx-like 2	Dmxl2	315676	1,13	up
6506012	7345882	1734800	Dmx-like 2	Dmxl2	315676	1,16	down
6577430	7345882	1734796	Dmx-like 2	Dmxl2	315676	1,42	up
6605068	7345882	1734804	Dmx-like 2	Dmxl2	315676	1,03	down
6617224	7345882	1734814	Dmx-like 2	Dmxl2	315676	1,37	down
6682641	7345882	1734795	Dmx-like 2	Dmxl2	315676	1,12	up
5702535	7281533	1576785	DNA fragmentation factor, alpha subunit	Dffa	114214	2,38	up
5968206	7281533	1576784	DNA fragmentation factor, alpha subunit	Dffa	114214	1,16	down
6499398	7281533	1576781	DNA fragmentation factor, alpha subunit	Dffa	114214	1,07	down
6559001	7281533	1576782	DNA fragmentation factor, alpha subunit	Dffa	114214	1,27	up
6563831	7281533	1576783	DNA fragmentation factor, alpha subunit	Dffa	114214	1,96	down
6673436	7281533	1576781	DNA fragmentation factor, alpha subunit	Dffa	114214	1,36	down
5638105	7292657	1602844	DNA-damage inducible protein 2	Ddi2	313668	1,01	down
5727663	7292657	1602847	DNA-damage inducible protein 2	Ddi2	313668	1,03	down
5730394	7292657	1602847	DNA-damage inducible protein 2	Ddi2	313668	1,06	down
5772540	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,22	down
5905162	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,08	down
6085689	7292657	1602841	DNA-damage inducible protein 2	Ddi2	313668	1,14	down
6147390	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,09	up
6155442	7292657	1602842	DNA-damage inducible protein 2	Ddi2	313668	1,08	down
6178356	7292657	1602845	DNA-damage inducible protein 2	Ddi2	313668	1,11	up
6246820	7292657	1602846	DNA-damage inducible protein 2	Ddi2	313668	1,00	up
6287195	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,12	down
6318979	7292657	1602845	DNA-damage inducible protein 2	Ddi2	313668	1,32	up
6329697	7292657	1602837	DNA-damage inducible protein 2	Ddi2	313668	1,21	down
6356823	7292657	1602847	DNA-damage inducible protein 2	Ddi2	313668	2,91	down
6379163	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,21	down
6581380	7292657	1602843	DNA-damage inducible protein 2	Ddi2	313668	1,11	up
6611116	7292657	1602840	DNA-damage inducible protein 2	Ddi2	313668	1,08	down
5663260	7292669	1602867	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,13	down
5758262	7292669	1602873	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,28	down
5832241	7292669	1602875	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,34	down
5985876	7292669	1602870	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,29	down
6058985	7292669	1602865	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,23	down
6067246	7292669	1602866	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,03	down
6168591	7292669	1602875	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,29	up
6191024	7292669	1602868	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,38	up
6305031	7292669	1602864	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	2,56	down
6320256	7292669	1602863	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,17	up
6322560	7292669	1602862	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,04	down
6433179	7292669	1602871	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,68	up
6438649	7292669	1602874	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,25	up
6693936	7292669	1602872	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,00	up
6724526	7292669	1602869	DnaJ (Hsp40) homolog, subfamily C, member 16	Dnajc16	362652	1,04	down
5618072	7178060	1320153	docking protein 6	Dok6	498898	1,21	down
6471532	7178060	1320153	docking protein 6	Dok6	498898	2,18	up
6496768	7178060	1320153	docking protein 6	Dok6	498898	1,14	up
6662639	7178060	1320153	docking protein 6	Dok6	498898	1,26	up
5737060	7065530	1044963	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,13	down
5854667	7065530	1044959	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,13	down
5884586	7065530	1044964	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,19	up
5904945	7065530	1044958	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,01	up

6004535	7065530	1044961	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,07	up
6545454	7065530	1044960	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,50	up
6705100	7065530	1044965	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,26	down
6742442	7065530	1044962	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	2,52	down
5652390	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,37	down
5743040	7128240	1196945	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,05	down
5799098	7128240	1196946	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,02	up
5811849	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,06	down
5817658	7128240	1196941	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,54	down
5836901	7128240	1196942	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,04	up
5864191	7128240	1196948	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,29	down
5876227	7128240	1196939	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,50	down
5984742	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	2,15	up
6065961	7128240	1196949	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,13	up
6102979	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,42	up
6206531	7128240	1196950	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,33	down
6226905	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,51	up
6292831	7128240	1196944	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,04	up
6565935	7128240	1196940	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,14	up
6576396	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,10	down
6640068	7128240	1196940	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,32	up
6654008	7128240	1196938	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,15	up
6686864	7128240	1196943	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,39	up
6692406	7128240	1196947	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,27	down
5868869	7086966	1095234	dopey family member 2	Dopey2	304077	1,69	up
6645641	7086966	1095291	dopey family member 2	Dopey2	304077	1,21	down
5868091	7079861	1079195	double C2-like domains, beta	Doc2b	81820	1,93	down
5915620	7079861	1079201	double C2-like domains, beta	Doc2b	81820	1,10	up
6026953	7079861	1079196	double C2-like domains, beta	Doc2b	81820	1,21	up
6085591	7079861	1079201	double C2-like domains, beta	Doc2b	81820	1,25	up
6159097	7079861	1079202	double C2-like domains, beta	Doc2b	81820	1,11	up
6164307	7079861	1079201	double C2-like domains, beta	Doc2b	81820	2,43	up
6202777	7079861	1079201	double C2-like domains, beta	Doc2b	81820	2,70	down
6262384	7079861	1079200	double C2-like domains, beta	Doc2b	81820	1,14	down
6275925	7079861	1079198	double C2-like domains, beta	Doc2b	81820	1,03	up
6373948	7079861	1079199	double C2-like domains, beta	Doc2b	81820	1,07	down
6432641	7079861	1079202	double C2-like domains, beta	Doc2b	81820	1,63	up
6440333	7079861	1079194	double C2-like domains, beta	Doc2b	81820	1,06	down
6637316	7079861	1079197	double C2-like domains, beta	Doc2b	81820	1,06	down
5684035	7230886	1449561	doublecortin domain containing 5	Dcdc5	295980	1,35	down
5927867	7230886	1449565	doublecortin domain containing 5	Dcdc5	295980	1,20	down
5936608	7230886	1449564	doublecortin domain containing 5	Dcdc5	295980	1,29	down
5978512	7230886	1449552	doublecortin domain containing 5	Dcdc5	295980	1,00	up
6000916	7230886	1449550	doublecortin domain containing 5	Dcdc5	295980	1,71	down
6062544	7230886	1449555	doublecortin domain containing 5	Dcdc5	295980	1,75	down
6158990	7230886	1449568	doublecortin domain containing 5	Dcdc5	295980	1,06	down
6218698	7230886	1449561	doublecortin domain containing 5	Dcdc5	295980	1,03	up
6227419	7230886	1449566	doublecortin domain containing 5	Dcdc5	295980	2,29	up
6289661	7230886	1449560	doublecortin domain containing 5	Dcdc5	295980	1,39	down
6337443	7230886	1449560	doublecortin domain containing 5	Dcdc5	295980	1,14	up
6341157	7230886	1449553	doublecortin domain containing 5	Dcdc5	295980	2,04	down
6367549	7230886	1449548	doublecortin domain containing 5	Dcdc5	295980	1,01	down
6384190	7230886	1449568	doublecortin domain containing 5	Dcdc5	295980	1,02	down
6474880	7230886	1449567	doublecortin domain containing 5	Dcdc5	295980	1,01	down
6592448	7230886	1449548	doublecortin domain containing 5	Dcdc5	295980	1,08	down
6604939	7230886	1449562	doublecortin domain containing 5	Dcdc5	295980	1,28	down

6618447	7230886	1449556	doublecortin domain containing 5	Dcdc5	295980	1,23	up
6630498	7230886	1449532	doublecortin domain containing 5	Dcdc5	295980	1,12	up
6683853	7230886	1449559	doublecortin domain containing 5	Dcdc5	295980	1,68	up
6694322	7230886	1449554	doublecortin domain containing 5	Dcdc5	295980	1,08	up
5710005	7194202	1361303	doublecortin-like kinase 1	Dclk1	83825	1,13	down
5873889	7194202	1361296	doublecortin-like kinase 1	Dclk1	83825	1,17	up
5943948	7194202	1361302	doublecortin-like kinase 1	Dclk1	83825	1,64	up
6124103	7194202	1361309	doublecortin-like kinase 1	Dclk1	83825	1,35	down
6212388	7194202	1361305	doublecortin-like kinase 1	Dclk1	83825	1,64	down
6261852	7194202	1361306	doublecortin-like kinase 1	Dclk1	83825	1,19	down
6270264	7194202	1361304	doublecortin-like kinase 1	Dclk1	83825	1,14	up
6299017	7194202	1361308	doublecortin-like kinase 1	Dclk1	83825	1,60	up
6303437	7194202	1361298	doublecortin-like kinase 1	Dclk1	83825	2,22	up
6308950	7194202	1361300	doublecortin-like kinase 1	Dclk1	83825	1,18	down
6498992	7194202	1361299	doublecortin-like kinase 1	Dclk1	83825	1,18	up
6515615	7194202	1361310	doublecortin-like kinase 1	Dclk1	83825	1,26	down
6572695	7194202	1361301	doublecortin-like kinase 1	Dclk1	83825	1,02	down
6596800	7194202	1361307	doublecortin-like kinase 1	Dclk1	83825	1,76	down
6736405	7194202	1361295	doublecortin-like kinase 1	Dclk1	83825	2,24	up
5680970	7091695	1107201	downstream neighbor of SON	Donson	288257	1,65	up
5750345	7091695	1107201	downstream neighbor of SON	Donson	288257	1,64	up
5804398	7091695	1107195	downstream neighbor of SON	Donson	288257	1,12	down
5913626	7091695	1107194	downstream neighbor of SON	Donson	288257	1,07	down
5975520	7091695	1107195	downstream neighbor of SON	Donson	288257	1,22	down
6009497	7091695	1107202	downstream neighbor of SON	Donson	288257	2,50	down
6009807	7091695	1107200	downstream neighbor of SON	Donson	288257	1,22	up
6039067	7091695	1107203	downstream neighbor of SON	Donson	288257	2,25	down
6131844	7091695	1107199	downstream neighbor of SON	Donson	288257	1,79	up
6201046	7091695	1107196	downstream neighbor of SON	Donson	288257	1,13	up
6448769	7091695	1107198	downstream neighbor of SON	Donson	288257	1,74	up
6507962	7091695	1107197	downstream neighbor of SON	Donson	288257	1,05	up
6670977	7091695	1107197	downstream neighbor of SON	Donson	288257	4,68	down
6713513	7091695	1107193	downstream neighbor of SON	Donson	288257	2,26	down
6075582	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,66	up
6146146	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,22	up
6239631	7148904	1248289	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,38	down
6320555	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,13	up
6336368	7148904	1248294	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,38	down
6344651	7148904	1248290	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,27	down
6430962	7148904	1248294	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,16	up
6431307	7148904	1248288	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	2,05	down
6461393	7148904	1248293	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,17	up
6471348	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,01	down
6525025	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,04	down
6578079	7148904	1248291	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,17	down
6683106	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,20	up
5648471	7270397	1548132	dual specificity phosphatase 16	Dusp16	297682	1,36	up
5723281	7270397	1548137	dual specificity phosphatase 16	Dusp16	297682	1,39	up
5740871	7270397	1548124	dual specificity phosphatase 16	Dusp16	297682	1,40	down
5778207	7270397	1548125	dual specificity phosphatase 16	Dusp16	297682	1,33	up
6009947	7270397	1548129	dual specificity phosphatase 16	Dusp16	297682	1,61	up
6261493	7270397	1548126	dual specificity phosphatase 16	Dusp16	297682	1,54	up
6266454	7270397	1548126	dual specificity phosphatase 16	Dusp16	297682	1,11	up
6335314	7270397	1548126	dual specificity phosphatase 16	Dusp16	297682	2,14	down
6590078	7270397	1548136	dual specificity phosphatase 16	Dusp16	297682	1,43	up
6616896	7270397	1548128	dual specificity phosphatase 16	Dusp16	297682	1,70	up

5683364	7152381	1256261	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,36	down
6020713	7152381	1256257	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,07	down
6115140	7152381	1256258	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,31	up
6159700	7152381	1256257	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,67	up
6562819	7152381	1256257	dual specificity phosphatase 26 (putative)	Dusp26	306527	2,06	up
6633322	7152381	1256259	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,00	down
6686915	7152381	1256260	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,65	down
6725725	7152381	1256261	dual specificity phosphatase 26 (putative)	Dusp26	306527	2,12	down
5870078	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	1,30	up
5973626	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,06	up
6025075	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,02	up
6030005	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,01	down
6044539	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,14	up
6093647	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	2,26	up
6103145	7378524	1817523	dual specificity phosphatase 9	Dusp9	293847	1,15	up
6112564	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	1,13	down
6129342	7378524	1817525	dual specificity phosphatase 9	Dusp9	293847	1,30	down
6135899	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,23	down
6271944	7378524	1817521	dual specificity phosphatase 9	Dusp9	293847	1,14	down
6294227	7378524	1817525	dual specificity phosphatase 9	Dusp9	293847	1,76	down
6388531	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	1,14	down
6514457	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,03	down
5666604	7030127	960864	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,18	down
5682533	7030127	960861	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,24	up
5687963	7030127	960862	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,40	down
5695977	7030127	960858	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,61	up
5698747	7030127	960856	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,81	up
5964627	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,50	down
5978373	7030127	960859	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,29	down
5984108	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	2,53	up
6186940	7030127	960865	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,23	up
6375438	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,03	down
6555848	7030127	960860	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,95	down
6593116	7030127	960867	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,03	up
6688185	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,24	up
6714713	7030127	960864	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,71	down
5644448	7113169	1160193	dynamain 3	Dnm3	171574	1,48	down
5650954	7113169	1160179	dynamain 3	Dnm3	171574	1,55	down
5659312	7113169	1160184	dynamain 3	Dnm3	171574	1,04	down
5684071	7113169	1160193	dynamain 3	Dnm3	171574	1,89	down
5697034	7113169	1160174	dynamain 3	Dnm3	171574	1,16	up
5763214	7113169	1160177	dynamain 3	Dnm3	171574	1,08	up
5771489	7113169	1160174	dynamain 3	Dnm3	171574	1,13	down
5771944	7113169	1160188	dynamain 3	Dnm3	171574	1,31	down
5799664	7113169	1160174	dynamain 3	Dnm3	171574	1,90	down
5968420	7113169	1160175	dynamain 3	Dnm3	171574	1,71	up
6004997	7113169	1160186	dynamain 3	Dnm3	171574	1,18	up
6040655	7113169	1160172	dynamain 3	Dnm3	171574	1,02	up
6049928	7113169	1160178	dynamain 3	Dnm3	171574	1,08	down
6055872	7113169	1160185	dynamain 3	Dnm3	171574	1,15	down
6061791	7113169	1160175	dynamain 3	Dnm3	171574	2,19	down
6302037	7113169	1160192	dynamain 3	Dnm3	171574	1,26	up
6383892	7113169	1160181	dynamain 3	Dnm3	171574	1,43	up
6470809	7113169	1160190	dynamain 3	Dnm3	171574	1,04	down
6513105	7113169	1160180	dynamain 3	Dnm3	171574	1,17	up
6531655	7113169	1160182	dynamain 3	Dnm3	171574	1,28	up

6589493	7113169	1160175	dynamlin 3	Dnm3	171574	1,13	down
6620487	7113169	1160189	dynamlin 3	Dnm3	171574	1,70	up
6641411	7113169	1160187	dynamlin 3	Dnm3	171574	1,49	up
6647235	7113169	1160172	dynamlin 3	Dnm3	171574	1,28	down
6662428	7113169	1160173	dynamlin 3	Dnm3	171574	1,58	up
6678541	7113169	1160183	dynamlin 3	Dnm3	171574	1,18	down
6687289	7113169	1160191	dynamlin 3	Dnm3	171574	1,03	up
6694062	7113169	1160176	dynamlin 3	Dnm3	171574	1,09	up
5651291	7341958	1724910	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,04	up
5658038	7341958	1724871	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,37	down
5658856	7341958	1724864	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,22	up
5668465	7341958	1724878	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,18	down
5684360	7341958	1724932	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,01	up
5692975	7341958	1724927	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,17	down
5702530	7341958	1724890	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,24	up
5715951	7341958	1724906	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	down
5717826	7341958	1724893	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,21	up
5729938	7341958	1724874	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	down
5758738	7341958	1724891	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,32	down
5776526	7341958	1724883	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,19	down
5793480	7341958	1724867	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,26	down
5807938	7341958	1724880	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,32	down
5820112	7341958	1724925	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,21	up
5829016	7341958	1724940	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,30	down
5829549	7341958	1724888	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,81	down
5837033	7341958	1724865	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,16	down
5842887	7341958	1724905	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	up
5844254	7341958	1724909	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,10	up
5849339	7341958	1724908	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,33	down
5871278	7341958	1724868	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,10	up
5871606	7341958	1724923	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,08	down
5872673	7341958	1724863	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	down
5885933	7341958	1724899	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,27	up
5908892	7341958	1724922	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,28	down
5916736	7341958	1724936	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,25	up
5930211	7341958	1724917	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,13	down
5942091	7341958	1724920	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,81	down
5948194	7341958	1724898	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,54	up
5963828	7341958	1724934	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	up
5967571	7341958	1724877	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,14	up
5972479	7341958	1724933	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,09	down
6003291	7341958	1724918	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	down
6011086	7341958	1724902	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,84	up
6026216	7341958	1724925	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,40	up
6029328	7341958	1724902	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,14	up
6036434	7341958	1724915	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,15	up
6044447	7341958	1724886	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	down
6068207	7341958	1724935	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,12	down
6068251	7341958	1724904	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,16	down
6080348	7341958	1724866	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,51	up
6097613	7341958	1724881	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,03	up
6102425	7341958	1724929	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,08	up
6110443	7341958	1724862	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,63	down
6127044	7341958	1724872	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	up
6158507	7341958	1724941	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,38	down
6189846	7341958	1724913	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,33	up

6201376	7341958	1724928	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,31	up
6202864	7341958	1724910	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,18	down
6205844	7341958	1724907	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,38	down
6214464	7341958	1724940	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,34	up
6215898	7341958	1724930	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,16	down
6217980	7341958	1724859	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,85	up
6234683	7341958	1724870	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,21	up
6242208	7341958	1724912	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,13	up
6242694	7341958	1724914	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,15	down
6280455	7341958	1724894	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	2,24	up
6282966	7341958	1724901	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,25	up
6284786	7341958	1724885	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,18	up
6292574	7341958	1724856	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,16	down
6297447	7341958	1724900	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,43	down
6320297	7341958	1724864	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,30	down
6344873	7341958	1724879	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,16	down
6375019	7341958	1724895	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,63	up
6378332	7341958	1724861	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,12	up
6408902	7341958	1724937	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,18	down
6436544	7341958	1724882	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,50	up
6453372	7341958	1724887	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,53	up
6479007	7341958	1724903	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,17	down
6479342	7341958	1724896	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,42	down
6483710	7341958	1724938	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,03	down
6488952	7341958	1724884	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,17	up
6490655	7341958	1724895	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,12	up
6521692	7341958	1724914	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,10	down
6523632	7341958	1724860	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,47	up
6544678	7341958	1724924	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,20	up
6552315	7341958	1724931	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,04	up
6555997	7341958	1724921	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,91	down
6561947	7341958	1724926	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	up
6567683	7341958	1724876	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	up
6582933	7341958	1724889	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,01	up
6584192	7341958	1724911	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	down
6586561	7341958	1724875	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,13	down
6590108	7341958	1724892	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,14	up
6592290	7341958	1724857	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,27	up
6636401	7341958	1724897	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,27	up
6663920	7341958	1724916	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,29	down
6676940	7341958	1724858	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,31	up
6681831	7341958	1724873	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	down
6686448	7341958	1724919	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,36	up
6689413	7341958	1724869	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,24	down
6697093	7341958	1724939	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	down
6727599	7341958	1724906	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,13	down
6732672	7341958	1724941	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,36	down
5680248	7046264	1001473	dynein light chain Tctex-type 1	Dynlt1	83462	1,15	up
6204488	7046264	1001470	dynein light chain Tctex-type 1	Dynlt1	83462	1,42	up
6271682	7046264	1001472	dynein light chain Tctex-type 1	Dynlt1	83462	1,10	up
6282658	7046264	1001475	dynein light chain Tctex-type 1	Dynlt1	83462	3,43	down
6358001	7046264	1001471	dynein light chain Tctex-type 1	Dynlt1	83462	1,08	up
6520067	7046264	1001474	dynein light chain Tctex-type 1	Dynlt1	83462	1,12	down
5695640	7373587	1805620	dynein light chain Tctex-type 3	Dynlt3	363448	2,35	up
5717429	7373587	1805617	dynein light chain Tctex-type 3	Dynlt3	363448	1,13	up
5786582	7373587	1805620	dynein light chain Tctex-type 3	Dynlt3	363448	1,05	down

5822779	7373587	1805615	dynein light chain Tctex-type 3	Dynlt3	363448	1,12	down
6087767	7373587	1805620	dynein light chain Tctex-type 3	Dynlt3	363448	1,02	up
6125467	7373587	1805616	dynein light chain Tctex-type 3	Dynlt3	363448	1,06	down
6243690	7373587	1805619	dynein light chain Tctex-type 3	Dynlt3	363448	1,60	down
6685300	7373587	1805618	dynein light chain Tctex-type 3	Dynlt3	363448	1,02	up
5641763	7084792	1090355	dynein, axonemal, heavy chain 17	Dnah17	287845	1,35	down
5660132	7084792	1090348	dynein, axonemal, heavy chain 17	Dnah17	287845	1,12	up
5691082	7084792	1090322	dynein, axonemal, heavy chain 17	Dnah17	287845	1,88	down
5707272	7084792	1090323	dynein, axonemal, heavy chain 17	Dnah17	287845	1,12	up
5721626	7084792	1090320	dynein, axonemal, heavy chain 17	Dnah17	287845	1,14	down
5737709	7084792	1090350	dynein, axonemal, heavy chain 17	Dnah17	287845	1,57	down
5755748	7084792	1090330	dynein, axonemal, heavy chain 17	Dnah17	287845	1,76	down
5788559	7084792	1090331	dynein, axonemal, heavy chain 17	Dnah17	287845	1,44	up
5848419	7084792	1090328	dynein, axonemal, heavy chain 17	Dnah17	287845	1,05	up
5858124	7084792	1090349	dynein, axonemal, heavy chain 17	Dnah17	287845	1,94	up
5939635	7084792	1090325	dynein, axonemal, heavy chain 17	Dnah17	287845	1,09	down
5961880	7084792	1090324	dynein, axonemal, heavy chain 17	Dnah17	287845	1,12	down
5986280	7084792	1090320	dynein, axonemal, heavy chain 17	Dnah17	287845	1,42	down
5995495	7084792	1090332	dynein, axonemal, heavy chain 17	Dnah17	287845	1,11	up
6020605	7084792	1090334	dynein, axonemal, heavy chain 17	Dnah17	287845	1,07	up
6031419	7084792	1090343	dynein, axonemal, heavy chain 17	Dnah17	287845	1,75	down
6167620	7084792	1090342	dynein, axonemal, heavy chain 17	Dnah17	287845	1,43	down
6194173	7084792	1090352	dynein, axonemal, heavy chain 17	Dnah17	287845	1,17	up
6253641	7084792	1090326	dynein, axonemal, heavy chain 17	Dnah17	287845	1,09	down
6274912	7084792	1090353	dynein, axonemal, heavy chain 17	Dnah17	287845	1,27	down
6303238	7084792	1090354	dynein, axonemal, heavy chain 17	Dnah17	287845	1,50	down
6358718	7084792	1090335	dynein, axonemal, heavy chain 17	Dnah17	287845	1,02	down
6364087	7084792	1090346	dynein, axonemal, heavy chain 17	Dnah17	287845	1,09	up
6368355	7084792	1090338	dynein, axonemal, heavy chain 17	Dnah17	287845	1,01	up
6370621	7084792	1090358	dynein, axonemal, heavy chain 17	Dnah17	287845	1,42	down
6371978	7084792	1090337	dynein, axonemal, heavy chain 17	Dnah17	287845	1,07	up
6404467	7084792	1090356	dynein, axonemal, heavy chain 17	Dnah17	287845	1,24	down
6434953	7084792	1090345	dynein, axonemal, heavy chain 17	Dnah17	287845	1,02	up
6445768	7084792	1090327	dynein, axonemal, heavy chain 17	Dnah17	287845	2,35	up
6458626	7084792	1090359	dynein, axonemal, heavy chain 17	Dnah17	287845	1,55	down
6498235	7084792	1090333	dynein, axonemal, heavy chain 17	Dnah17	287845	1,17	down
6517275	7084792	1090360	dynein, axonemal, heavy chain 17	Dnah17	287845	1,29	down
6596019	7084792	1090336	dynein, axonemal, heavy chain 17	Dnah17	287845	1,12	up
6667804	7084792	1090344	dynein, axonemal, heavy chain 17	Dnah17	287845	1,10	down
6668823	7084792	1090347	dynein, axonemal, heavy chain 17	Dnah17	287845	1,06	up
6705708	7084792	1090357	dynein, axonemal, heavy chain 17	Dnah17	287845	1,20	down
6743469	7084792	1090321	dynein, axonemal, heavy chain 17	Dnah17	287845	1,09	up
5620888	7255522	1511399	dysferlin	Dysf	312492	1,07	up
5651052	7255522	1511412	dysferlin	Dysf	312492	1,01	up
5653569	7255522	1511400	dysferlin	Dysf	312492	1,09	up
5658181	7255522	1511438	dysferlin	Dysf	312492	1,65	up
5699977	7255522	1511445	dysferlin	Dysf	312492	1,01	up
5739264	7255522	1511431	dysferlin	Dysf	312492	1,04	down
5741670	7255522	1511397	dysferlin	Dysf	312492	1,21	down
5752676	7255522	1511437	dysferlin	Dysf	312492	1,37	up
5761045	7255522	1511435	dysferlin	Dysf	312492	1,11	down
5765792	7255522	1511441	dysferlin	Dysf	312492	1,03	up
5793017	7255522	1511406	dysferlin	Dysf	312492	1,32	up
5800533	7255522	1511392	dysferlin	Dysf	312492	1,30	down
5820197	7255522	1511405	dysferlin	Dysf	312492	1,16	down
5863570	7255522	1511439	dysferlin	Dysf	312492	1,14	up

5883687	7255522	1511394	dysferlin	Dysf	312492	1,33	down
5895526	7255522	1511430	dysferlin	Dysf	312492	1,04	up
5907081	7255522	1511398	dysferlin	Dysf	312492	1,23	down
5925271	7255522	1511443	dysferlin	Dysf	312492	1,47	down
5928579	7255522	1511434	dysferlin	Dysf	312492	1,15	up
6062672	7255522	1511424	dysferlin	Dysf	312492	1,06	up
6065374	7255522	1511427	dysferlin	Dysf	312492	1,03	up
6078115	7255522	1511396	dysferlin	Dysf	312492	1,24	down
6111279	7255522	1511448	dysferlin	Dysf	312492	1,14	down
6123826	7255522	1511432	dysferlin	Dysf	312492	3,30	down
6152009	7255522	1511388	dysferlin	Dysf	312492	1,85	down
6172479	7255522	1511421	dysferlin	Dysf	312492	1,32	down
6184841	7255522	1511436	dysferlin	Dysf	312492	1,04	up
6206117	7255522	1511422	dysferlin	Dysf	312492	1,00	down
6237336	7255522	1511402	dysferlin	Dysf	312492	1,10	down
6258031	7255522	1511447	dysferlin	Dysf	312492	1,03	down
6287836	7255522	1511391	dysferlin	Dysf	312492	1,07	up
6290846	7255522	1511425	dysferlin	Dysf	312492	1,42	down
6311673	7255522	1511417	dysferlin	Dysf	312492	1,02	down
6340637	7255522	1511418	dysferlin	Dysf	312492	1,46	down
6370749	7255522	1511404	dysferlin	Dysf	312492	1,09	up
6387919	7255522	1511414	dysferlin	Dysf	312492	1,85	up
6392024	7255522	1511446	dysferlin	Dysf	312492	1,11	up
6400474	7255522	1511395	dysferlin	Dysf	312492	1,06	down
6402524	7255522	1511447	dysferlin	Dysf	312492	1,18	down
6414617	7255522	1511413	dysferlin	Dysf	312492	1,30	up
6427600	7255522	1511416	dysferlin	Dysf	312492	1,03	up
6461904	7255522	1511442	dysferlin	Dysf	312492	1,40	up
6489486	7255522	1511426	dysferlin	Dysf	312492	1,12	up
6489524	7255522	1511390	dysferlin	Dysf	312492	1,33	up
6505561	7255522	1511444	dysferlin	Dysf	312492	1,08	down
6534952	7255522	1511429	dysferlin	Dysf	312492	1,30	up
6587369	7255522	1511407	dysferlin	Dysf	312492	1,05	up
6592216	7255522	1511408	dysferlin	Dysf	312492	1,08	up
6646999	7255522	1511440	dysferlin	Dysf	312492	1,06	down
6679059	7255522	1511415	dysferlin	Dysf	312492	1,01	down
6715770	7255522	1511393	dysferlin	Dysf	312492	1,40	up
5827968	7237514	1466954	dystonia 1	Dyt1	266606	1,40	down
5866080	7237514	1466956	dystonia 1	Dyt1	266606	1,00	down
6045974	7237514	1466958	dystonia 1	Dyt1	266606	3,11	up
6046505	7237514	1466958	dystonia 1	Dyt1	266606	1,01	up
6190183	7237514	1466957	dystonia 1	Dyt1	266606	1,11	down
6305301	7237514	1466957	dystonia 1	Dyt1	266606	1,23	down
6386388	7237514	1466953	dystonia 1	Dyt1	266606	1,46	down
6406917	7237514	1466955	dystonia 1	Dyt1	266606	1,15	down
5673513	7072419	1061841	E2F1-inducible gene	LOC303566	303566	1,58	down
5680351	7072419	1061841	E2F1-inducible gene	LOC303566	303566	1,52	down
5738301	7072419	1061840	E2F1-inducible gene	LOC303566	303566	1,09	up
5934722	7072419	1061846	E2F1-inducible gene	LOC303566	303566	1,07	up
6090544	7072419	1061848	E2F1-inducible gene	LOC303566	303566	1,14	down
6212383	7072419	1061847	E2F1-inducible gene	LOC303566	303566	1,01	up
6218946	7072419	1061841	E2F1-inducible gene	LOC303566	303566	1,13	up
6334596	7072419	1061845	E2F1-inducible gene	LOC303566	303566	1,08	up
6470221	7072419	1061848	E2F1-inducible gene	LOC303566	303566	1,10	up
6578702	7072419	1061843	E2F1-inducible gene	LOC303566	303566	1,01	down
6597897	7072419	1061841	E2F1-inducible gene	LOC303566	303566	1,25	up

6622008	7072419	1061844	E2F1-inducible gene	LOC303566	303566	1,03	up
6645435	7072419	1061841	E2F1-inducible gene	LOC303566	303566	2,54	up
6664573	7072419	1061842	E2F1-inducible gene	LOC303566	303566	1,23	down
6694765	7072419	1061848	E2F1-inducible gene	LOC303566	303566	1,73	down
5733335	7111427	1155772	E74-like factor 3	Elf3	304815	1,05	up
5777413	7111427	1155765	E74-like factor 3	Elf3	304815	1,14	up
5839054	7111427	1155773	E74-like factor 3	Elf3	304815	2,55	down
5854651	7111427	1155769	E74-like factor 3	Elf3	304815	1,34	down
5972504	7111427	1155770	E74-like factor 3	Elf3	304815	1,08	up
6032151	7111427	1155766	E74-like factor 3	Elf3	304815	1,11	up
6258373	7111427	1155767	E74-like factor 3	Elf3	304815	1,14	up
6387960	7111427	1155764	E74-like factor 3	Elf3	304815	1,58	down
6574964	7111427	1155771	E74-like factor 3	Elf3	304815	1,59	down
6617361	7111427	1155768	E74-like factor 3	Elf3	304815	1,51	up
6681541	7111427	1155771	E74-like factor 3	Elf3	304815	2,36	up
5776721	7066764	1048144	early B-cell factor 1	Ebf1	116543	1,21	up
5800689	7066764	1048145	early B-cell factor 1	Ebf1	116543	1,46	up
5927198	7066764	1048148	early B-cell factor 1	Ebf1	116543	1,04	down
5943542	7066764	1048146	early B-cell factor 1	Ebf1	116543	1,22	down
5964921	7066764	1048155	early B-cell factor 1	Ebf1	116543	1,02	down
6022842	7066764	1048150	early B-cell factor 1	Ebf1	116543	1,50	down
6193406	7066764	1048159	early B-cell factor 1	Ebf1	116543	2,05	down
6220984	7066764	1048144	early B-cell factor 1	Ebf1	116543	1,02	up
6232939	7066764	1048151	early B-cell factor 1	Ebf1	116543	1,17	up
6246559	7066764	1048156	early B-cell factor 1	Ebf1	116543	1,05	up
6254457	7066764	1048152	early B-cell factor 1	Ebf1	116543	1,03	down
6266122	7066764	1048153	early B-cell factor 1	Ebf1	116543	1,26	up
6337898	7066764	1048149	early B-cell factor 1	Ebf1	116543	1,23	down
6449387	7066764	1048157	early B-cell factor 1	Ebf1	116543	1,22	up
6545629	7066764	1048147	early B-cell factor 1	Ebf1	116543	1,20	down
6551451	7066764	1048154	early B-cell factor 1	Ebf1	116543	1,47	down
6581605	7066764	1048158	early B-cell factor 1	Ebf1	116543	1,09	down
5671660	7029395	959450	echinoderm microtubule associated protein like 2	Eml2	192360	2,01	down
5716844	7029395	959444	echinoderm microtubule associated protein like 2	Eml2	192360	1,27	down
5717653	7029395	959449	echinoderm microtubule associated protein like 2	Eml2	192360	1,09	up
5749449	7029395	959437	echinoderm microtubule associated protein like 2	Eml2	192360	1,07	down
5752561	7029395	959430	echinoderm microtubule associated protein like 2	Eml2	192360	1,09	down
5788679	7029395	959431	echinoderm microtubule associated protein like 2	Eml2	192360	1,04	down
5816762	7029395	959430	echinoderm microtubule associated protein like 2	Eml2	192360	1,03	down
5845555	7029395	959448	echinoderm microtubule associated protein like 2	Eml2	192360	1,04	up
6005560	7029395	959436	echinoderm microtubule associated protein like 2	Eml2	192360	1,32	up
6077608	7029395	959439	echinoderm microtubule associated protein like 2	Eml2	192360	1,00	down
6140149	7029395	959451	echinoderm microtubule associated protein like 2	Eml2	192360	1,00	up
6165947	7029395	959443	echinoderm microtubule associated protein like 2	Eml2	192360	1,09	up
6170214	7029395	959434	echinoderm microtubule associated protein like 2	Eml2	192360	1,98	up
6247288	7029395	959441	echinoderm microtubule associated protein like 2	Eml2	192360	1,72	up
6259831	7029395	959433	echinoderm microtubule associated protein like 2	Eml2	192360	1,24	down
6269692	7029395	959445	echinoderm microtubule associated protein like 2	Eml2	192360	2,19	down
6337534	7029395	959446	echinoderm microtubule associated protein like 2	Eml2	192360	1,09	down
6403773	7029395	959432	echinoderm microtubule associated protein like 2	Eml2	192360	1,85	up
6496144	7029395	959442	echinoderm microtubule associated protein like 2	Eml2	192360	1,10	up
6558603	7029395	959435	echinoderm microtubule associated protein like 2	Eml2	192360	1,04	down
6601656	7029395	959440	echinoderm microtubule associated protein like 2	Eml2	192360	1,07	up
6700745	7029395	959438	echinoderm microtubule associated protein like 2	Eml2	192360	1,47	up
5780501	7133612	1210223	ecto-NOX disulfide-thiol exchanger 1	Enox1	306038	1,05	up
6352429	7133612	1210300	ecto-NOX disulfide-thiol exchanger 1	Enox1	306038	1,09	down

6617177	7133612	1210223	ecto-NOX disulfide-thiol exchanger 1	Enox1	306038	1,34	down
5730072	7225246	1435176	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,98	up
5753858	7225246	1435178	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,57	up
5904861	7225246	1435179	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,53	up
5918830	7225246	1435174	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,17	up
6130761	7225246	1435175	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,13	up
6255654	7225246	1435182	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,07	up
6294648	7225246	1435177	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,27	up
6369644	7225246	1435181	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	2,64	down
6431854	7225246	1435181	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,09	down
6467070	7225246	1435183	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,95	down
6537600	7225246	1435183	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,48	down
6550914	7225246	1435183	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,54	down
6553156	7225246	1435180	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,28	down
5638090	7025785	950794	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,25	down
5666929	7025785	950792	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,15	up
5668638	7025785	950773	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,23	up
5818106	7025785	950776	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,08	down
5818568	7025785	950782	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,50	down
5882343	7025785	950770	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,13	up
5912980	7025785	950775	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,20	up
5920937	7025785	950795	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,25	up
6020663	7025785	950791	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,05	down
6025563	7025785	950789	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,40	up
6037222	7025785	950774	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	2,03	down
6105171	7025785	950771	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,29	up
6133349	7025785	950778	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,10	up
6136620	7025785	950783	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,19	down
6181335	7025785	950784	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,55	down
6226546	7025785	950793	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,14	down
6235025	7025785	950780	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,23	up
6236268	7025785	950772	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,29	up
6289972	7025785	950781	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,22	down
6420360	7025785	950779	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,17	down
6463575	7025785	950793	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,14	up
6568635	7025785	950785	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,14	down
6568770	7025785	950788	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,28	down
6621577	7025785	950786	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,92	up
6640663	7025785	950777	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,19	down
6699484	7025785	950787	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,33	down
6729729	7025785	950790	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,02	down
5640479	7025761	950720	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,13	down
5709380	7025761	950724	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,02	up
5712021	7025761	950731	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,60	down
5765751	7025761	950732	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	2,01	down
5780310	7025761	950742	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,22	down
5835902	7025761	950740	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,12	up
5849629	7025761	950733	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,20	down
5854463	7025761	950728	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,04	up
5886439	7025761	950722	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,04	up
5981178	7025761	950743	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,51	down
5988964	7025761	950730	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,20	up
6107827	7025761	950719	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,02	up
6113013	7025761	950739	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,16	down
6164067	7025761	950729	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,32	up
6171843	7025761	950719	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,02	up

6192760	7025761	950738	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,14	down
6252944	7025761	950739	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,75	up
6330845	7025761	950721	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,16	up
6429448	7025761	950723	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,08	up
6460610	7025761	950735	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,07	up
6468964	7025761	950741	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,19	down
6492260	7025761	950737	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,06	up
6514447	7025761	950725	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,12	down
6532247	7025761	950736	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,16	down
6539052	7025761	950727	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,74	down
6583582	7025761	950734	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,02	up
6649974	7025761	950726	ectonucleotide pyrophosphatase/phosphodiesterase 3	Enpp3	54410	1,41	down
5623224	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,82	down
5672453	7352252	1750566	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,62	down
5906565	7352252	1750570	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,06	down
6058664	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,01	down
6176555	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,34	up
6176645	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,23	up
6309153	7352252	1750571	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,25	up
6327940	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	2,16	down
6366708	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,05	down
6394484	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,28	down
6426006	7352252	1750570	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,50	up
6597486	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,19	up
6671532	7352252	1750566	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,90	down
6699317	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,11	up
5834410	7330238	1695969	EF-hand calcium binding domain 6	Efcab6	315179	1,27	down
5626644	7352635	1751452	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,07	down
5637156	7352635	1751454	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,05	up
6023256	7352635	1751448	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,05	down
6042152	7352635	1751450	EF-hand domain (C-terminal) containing 1	Efhc1	301295	2,65	down
6424716	7352635	1751451	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,49	up
6469422	7352635	1751442	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,43	up
6500761	7352635	1751440	EF-hand domain (C-terminal) containing 1	Efhc1	301295	2,15	down
6570240	7352635	1751449	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,14	down
6573111	7352635	1751446	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,11	down
6633459	7352635	1751441	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,83	down
6698894	7352635	1751453	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,13	down
5633081	7225393	1435580	EGF-like-domain, multiple 7	Egfl7	245963	2,09	down
6003193	7225393	1435577	EGF-like-domain, multiple 7	Egfl7	245963	1,63	up
6067658	7225393	1435581	EGF-like-domain, multiple 7	Egfl7	245963	1,68	down
6179743	7225393	1435576	EGF-like-domain, multiple 7	Egfl7	245963	1,47	down
6295493	7225393	1435581	EGF-like-domain, multiple 7	Egfl7	245963	1,10	down
6357982	7225393	1435575	EGF-like-domain, multiple 7	Egfl7	245963	1,59	down
6595440	7225393	1435582	EGF-like-domain, multiple 7	Egfl7	245963	1,84	up
6621708	7225393	1435584	EGF-like-domain, multiple 7	Egfl7	245963	1,25	up
6664333	7225393	1435578	EGF-like-domain, multiple 7	Egfl7	245963	1,11	up
6680233	7225393	1435585	EGF-like-domain, multiple 7	Egfl7	245963	1,15	up
6692695	7225393	1435579	EGF-like-domain, multiple 7	Egfl7	245963	1,02	down
6705395	7225393	1435583	EGF-like-domain, multiple 7	Egfl7	245963	1,22	up
5625620	7097541	1121177	elastin	Eln	25043	1,15	up
5654488	7097541	1121169	elastin	Eln	25043	1,38	down
5670943	7097541	1121173	elastin	Eln	25043	1,12	down
5682566	7097541	1121183	elastin	Eln	25043	1,60	down
5725631	7097541	1121165	elastin	Eln	25043	1,28	up
5736254	7097541	1121159	elastin	Eln	25043	1,44	up

5742680	7097541	1121155	elastin	Eln	25043	1,09	down
5813767	7097541	1121157	elastin	Eln	25043	1,47	down
5825557	7097541	1121183	elastin	Eln	25043	1,31	up
5841126	7097541	1121174	elastin	Eln	25043	1,69	down
5846801	7097541	1121180	elastin	Eln	25043	1,15	up
5848544	7097541	1121147	elastin	Eln	25043	1,07	down
5974856	7097541	1121177	elastin	Eln	25043	1,23	up
5988401	7097541	1121161	elastin	Eln	25043	1,21	down
5991874	7097541	1121178	elastin	Eln	25043	1,06	up
6019730	7097541	1121175	elastin	Eln	25043	1,23	down
6069009	7097541	1121150	elastin	Eln	25043	2,77	up
6090308	7097541	1121152	elastin	Eln	25043	1,01	down
6094083	7097541	1121156	elastin	Eln	25043	1,11	up
6157140	7097541	1121149	elastin	Eln	25043	1,15	up
6248057	7097541	1121168	elastin	Eln	25043	1,10	down
6270848	7097541	1121166	elastin	Eln	25043	1,06	up
6294324	7097541	1121164	elastin	Eln	25043	1,01	down
6308319	7097541	1121182	elastin	Eln	25043	1,29	down
6309779	7097541	1121165	elastin	Eln	25043	1,35	down
6360678	7097541	1121169	elastin	Eln	25043	1,11	up
6408496	7097541	1121151	elastin	Eln	25043	1,58	down
6415846	7097541	1121162	elastin	Eln	25043	1,19	down
6429272	7097541	1121181	elastin	Eln	25043	1,24	down
6440305	7097541	1121171	elastin	Eln	25043	1,13	down
6444490	7097541	1121153	elastin	Eln	25043	1,05	up
6469133	7097541	1121176	elastin	Eln	25043	1,18	up
6469800	7097541	1121160	elastin	Eln	25043	1,05	up
6522291	7097541	1121163	elastin	Eln	25043	1,31	up
6541975	7097541	1121183	elastin	Eln	25043	1,05	down
6561389	7097541	1121172	elastin	Eln	25043	1,23	up
6569835	7097541	1121148	elastin	Eln	25043	1,25	up
6609456	7097541	1121167	elastin	Eln	25043	2,37	down
6611611	7097541	1121165	elastin	Eln	25043	1,42	down
6620145	7097541	1121169	elastin	Eln	25043	1,08	down
6637330	7097541	1121170	elastin	Eln	25043	1,59	up
6660647	7097541	1121179	elastin	Eln	25043	1,01	up
6672522	7097541	1121154	elastin	Eln	25043	1,18	down
6691076	7097541	1121158	elastin	Eln	25043	1,10	up
6721099	7097541	1121154	elastin	Eln	25043	1,06	up
5650966	7104955	1140124	ELK4, member of ETS oncogene family	Elk4	304786	1,03	down
5747927	7104955	1140123	ELK4, member of ETS oncogene family	Elk4	304786	1,03	down
5851844	7104955	1140118	ELK4, member of ETS oncogene family	Elk4	304786	1,49	down
5942752	7104955	1140122	ELK4, member of ETS oncogene family	Elk4	304786	1,36	up
5943481	7104955	1140117	ELK4, member of ETS oncogene family	Elk4	304786	1,11	up
6074942	7104955	1140122	ELK4, member of ETS oncogene family	Elk4	304786	1,02	down
6173882	7104955	1140125	ELK4, member of ETS oncogene family	Elk4	304786	1,71	up
6273648	7104955	1140122	ELK4, member of ETS oncogene family	Elk4	304786	1,21	up
6600485	7104955	1140120	ELK4, member of ETS oncogene family	Elk4	304786	1,07	up
6702083	7104955	1140124	ELK4, member of ETS oncogene family	Elk4	304786	1,02	up
6717085	7104955	1140121	ELK4, member of ETS oncogene family	Elk4	304786	1,36	up
6734564	7104955	1140118	ELK4, member of ETS oncogene family	Elk4	304786	1,07	up
5660312	7119930	1177210	Ellis van Creveld gene homolog (human)	Evc	289712	1,13	up
5755961	7119930	1177207	Ellis van Creveld gene homolog (human)	Evc	289712	2,14	up
6075847	7119930	1177209	Ellis van Creveld gene homolog (human)	Evc	289712	1,10	up
6351037	7119930	1177207	Ellis van Creveld gene homolog (human)	Evc	289712	1,01	down
6457108	7119930	1177208	Ellis van Creveld gene homolog (human)	Evc	289712	1,06	up

5629598	7033616	970230	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	1,26	up
5728946	7033616	970193	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,16	down
5750861	7033616	970202	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,20	up
5757893	7033616	970196	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,49	up
5764579	7033616	970203	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,11	up
5836007	7033616	970200	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,06	up
5870405	7033616	970188	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,12	down
5871390	7033616	970234	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,23	down
5952300	7033616	970220	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,01	up
6024496	7033616	970205	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,25	up
6169303	7033616	970234	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,33	down
6197372	7033616	970236	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,43	down
6203628	7033616	970207	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,07	up
6239718	7033616	970198	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,04	down
6261676	7033616	970199	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,36	down
6269572	7033616	970189	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,44	up
6288107	7033616	970206	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,11	up
6341868	7033616	970197	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,42	up
6352386	7033616	970190	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,35	up
6359424	7033616	970228	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,16	up
6495670	7033616	970193	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,37	up
6512564	7033616	970206	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,36	up
6553245	7033616	970229	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,67	down
6597051	7033616	970228	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,00	up
6636022	7033616	970236	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,45	down
6720294	7033616	970198	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,07	up
6737518	7033616	970205	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,53	up
5698537	7054147	1018974	embryonic ectoderm development	Eed	293104	1,41	down
5717992	7054147	1018982	embryonic ectoderm development	Eed	293104	1,42	up
5740040	7054147	1018985	embryonic ectoderm development	Eed	293104	1,16	up
5819153	7054147	1018979	embryonic ectoderm development	Eed	293104	1,15	up
5972287	7054147	1018974	embryonic ectoderm development	Eed	293104	1,26	up
5981558	7054147	1018976	embryonic ectoderm development	Eed	293104	1,03	up
6017129	7054147	1018978	embryonic ectoderm development	Eed	293104	1,01	up
6054901	7054147	1018983	embryonic ectoderm development	Eed	293104	1,03	up
6154135	7054147	1018986	embryonic ectoderm development	Eed	293104	1,31	down
6326738	7054147	1018975	embryonic ectoderm development	Eed	293104	1,18	up
6358164	7054147	1018986	embryonic ectoderm development	Eed	293104	1,32	up
6369848	7054147	1018986	embryonic ectoderm development	Eed	293104	1,04	down
6373513	7054147	1018984	embryonic ectoderm development	Eed	293104	1,13	down
6539645	7054147	1018980	embryonic ectoderm development	Eed	293104	1,58	down
6606230	7054147	1018981	embryonic ectoderm development	Eed	293104	1,20	up
6661877	7054147	1018976	embryonic ectoderm development	Eed	293104	1,22	up
5952601	7270592	1548564	endoplasmic reticulum protein 27	Erp27	297698	1,21	up
6117993	7270592	1548561	endoplasmic reticulum protein 27	Erp27	297698	2,09	up
6189696	7270592	1548556	endoplasmic reticulum protein 27	Erp27	297698	2,07	down
6229315	7270592	1548562	endoplasmic reticulum protein 27	Erp27	297698	1,03	up
6234597	7270592	1548559	endoplasmic reticulum protein 27	Erp27	297698	1,45	down
6431454	7270592	1548563	endoplasmic reticulum protein 27	Erp27	297698	1,46	down
6629215	7270592	1548557	endoplasmic reticulum protein 27	Erp27	297698	1,12	down
5706959	7056915	1024763	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,11	up
5713362	7056915	1024766	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,12	down
5729340	7056915	1024750	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,30	down
5745000	7056915	1024766	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,06	up
5806896	7056915	1024753	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,14	up

5863435	7056915	1024756	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,03	down
5883410	7056915	1024767	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,37	up
5978420	7056915	1024763	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,24	down
6055653	7056915	1024763	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,07	down
6066091	7056915	1024751	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,11	down
6101004	7056915	1024762	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,09	up
6172155	7056915	1024764	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,09	up
6349063	7056915	1024758	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,25	down
6397970	7056915	1024755	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,16	up
6401208	7056915	1024760	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,02	up
6465071	7056915	1024752	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,16	down
6479326	7056915	1024749	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	2,49	down
6480360	7056915	1024769	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,08	up
6598373	7056915	1024771	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,18	up
6606677	7056915	1024754	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,01	up
6650876	7056915	1024765	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,23	down
6692823	7056915	1024750	endoplasmic reticulum to nucleus signaling 2	Ern2	365363	1,02	up
5749111	7180333	1325738	endothelin receptor type A	Ednra	24326	1,16	up
5789036	7180333	1325741	endothelin receptor type A	Ednra	24326	1,18	down
5883423	7180333	1325740	endothelin receptor type A	Ednra	24326	1,19	up
5902284	7180333	1325734	endothelin receptor type A	Ednra	24326	1,67	down
6057565	7180333	1325740	endothelin receptor type A	Ednra	24326	1,30	down
6297039	7180333	1325739	endothelin receptor type A	Ednra	24326	1,03	down
6302788	7180333	1325737	endothelin receptor type A	Ednra	24326	2,23	up
6741458	7180333	1325736	endothelin receptor type A	Ednra	24326	1,39	up
6744616	7180333	1325735	endothelin receptor type A	Ednra	24326	1,37	down
5689195	7095047	1115228	endothelin-converting enzyme 2	Ece2	408243	1,86	down
5690192	7095047	1115243	endothelin-converting enzyme 2	Ece2	408243	1,33	up
5707352	7095047	1115241	endothelin-converting enzyme 2	Ece2	408243	3,07	up
5707723	7095047	1115240	endothelin-converting enzyme 2	Ece2	408243	1,04	up
5793657	7095047	1115233	endothelin-converting enzyme 2	Ece2	408243	1,15	down
5805953	7095047	1115231	endothelin-converting enzyme 2	Ece2	408243	1,16	up
5858023	7095047	1115239	endothelin-converting enzyme 2	Ece2	408243	1,18	up
5956374	7095047	1115236	endothelin-converting enzyme 2	Ece2	408243	1,41	down
6087668	7095047	1115238	endothelin-converting enzyme 2	Ece2	408243	1,61	up
6203598	7095047	1115237	endothelin-converting enzyme 2	Ece2	408243	1,42	up
6208597	7095047	1115230	endothelin-converting enzyme 2	Ece2	408243	1,00	up
6259792	7095047	1115242	endothelin-converting enzyme 2	Ece2	408243	1,50	down
6277273	7095047	1115227	endothelin-converting enzyme 2	Ece2	408243	1,04	up
6298457	7095047	1115225	endothelin-converting enzyme 2	Ece2	408243	1,02	down
6397922	7095047	1115232	endothelin-converting enzyme 2	Ece2	408243	1,22	down
6462017	7095047	1115226	endothelin-converting enzyme 2	Ece2	408243	1,08	down
6494527	7095047	1115235	endothelin-converting enzyme 2	Ece2	408243	1,69	down
6658806	7095047	1115234	endothelin-converting enzyme 2	Ece2	408243	1,55	up
6680858	7095047	1115229	endothelin-converting enzyme 2	Ece2	408243	1,26	down
5749628	7369822	1795123	engrailed homeobox 1	En1	685360	1,07	down
5938622	7369822	1795123	engrailed homeobox 1	En1	685360	1,06	down
6121936	7369822	1795128	engrailed homeobox 1	En1	685360	3,87	down
6148627	7369822	1795123	engrailed homeobox 1	En1	685360	1,18	down
6206907	7369822	1795128	engrailed homeobox 1	En1	685360	1,03	down
6346748	7369822	1795124	engrailed homeobox 1	En1	685360	1,27	up
6355913	7369822	1795123	engrailed homeobox 1	En1	685360	1,16	down
6507411	7369822	1795128	engrailed homeobox 1	En1	685360	1,31	up
6548760	7369822	1795129	engrailed homeobox 1	En1	685360	1,03	down
6561206	7369822	1795128	engrailed homeobox 1	En1	685360	1,04	up
5748553	7087282	1096144	Eph receptor A6	Epha6	29202	1,06	down

5831410	7087282	1096243	Eph receptor A6	Epha6	29202	2,03	down
6340902	7087282	1096244	Eph receptor A6	Epha6	29202	1,11	up
6545564	7087282	1096243	Eph receptor A6	Epha6	29202	1,21	down
6586934	7087282	1096242	Eph receptor A6	Epha6	29202	1,02	up
5692960	7292154	1601641	Eph receptor B2	Ephb2	313633	1,04	down
5714979	7292154	1601672	Eph receptor B2	Ephb2	313633	1,42	down
5718914	7292154	1601656	Eph receptor B2	Ephb2	313633	1,00	down
5806587	7292154	1601632	Eph receptor B2	Ephb2	313633	1,37	down
6007729	7292154	1601636	Eph receptor B2	Ephb2	313633	1,14	down
6049643	7292154	1601638	Eph receptor B2	Ephb2	313633	1,51	down
6061734	7292154	1601640	Eph receptor B2	Ephb2	313633	1,47	up
6067785	7292154	1601651	Eph receptor B2	Ephb2	313633	1,19	down
6084290	7292154	1601635	Eph receptor B2	Ephb2	313633	1,74	down
6329300	7292154	1601646	Eph receptor B2	Ephb2	313633	1,04	down
6353544	7292154	1601642	Eph receptor B2	Ephb2	313633	1,41	down
6363151	7292154	1601655	Eph receptor B2	Ephb2	313633	1,20	up
6535506	7292154	1601645	Eph receptor B2	Ephb2	313633	1,34	down
6621935	7292154	1601673	Eph receptor B2	Ephb2	313633	1,31	up
6701630	7292154	1601634	Eph receptor B2	Ephb2	313633	1,06	down
5631250	7095008	1115055	Eph receptor B3	Ephb3	287989	1,11	down
5636798	7095008	1115059	Eph receptor B3	Ephb3	287989	1,57	down
5652934	7095008	1115061	Eph receptor B3	Ephb3	287989	1,02	up
5711512	7095008	1115060	Eph receptor B3	Ephb3	287989	1,04	up
5712146	7095008	1115050	Eph receptor B3	Ephb3	287989	2,03	down
5729890	7095008	1115049	Eph receptor B3	Ephb3	287989	1,02	down
5921558	7095008	1115053	Eph receptor B3	Ephb3	287989	1,43	up
5968237	7095008	1115049	Eph receptor B3	Ephb3	287989	1,21	up
5973683	7095008	1115053	Eph receptor B3	Ephb3	287989	1,23	down
6025840	7095008	1115051	Eph receptor B3	Ephb3	287989	1,04	up
6043584	7095008	1115056	Eph receptor B3	Ephb3	287989	1,13	up
6060666	7095008	1115058	Eph receptor B3	Ephb3	287989	1,38	up
6143274	7095008	1115052	Eph receptor B3	Ephb3	287989	1,09	down
6144510	7095008	1115051	Eph receptor B3	Ephb3	287989	1,01	down
6233349	7095008	1115051	Eph receptor B3	Ephb3	287989	1,24	up
6311906	7095008	1115054	Eph receptor B3	Ephb3	287989	1,57	up
6312325	7095008	1115057	Eph receptor B3	Ephb3	287989	1,33	up
6410749	7095008	1115064	Eph receptor B3	Ephb3	287989	1,00	up
5640692	7253088	1505115	Eph receptor B6	Ephb6	312275	1,13	up
5648019	7253088	1505117	Eph receptor B6	Ephb6	312275	1,20	up
5856206	7253088	1505124	Eph receptor B6	Ephb6	312275	1,66	down
5882339	7253088	1505131	Eph receptor B6	Ephb6	312275	1,10	down
5884750	7253088	1505123	Eph receptor B6	Ephb6	312275	1,53	up
5900021	7253088	1505118	Eph receptor B6	Ephb6	312275	1,30	up
5918823	7253088	1505130	Eph receptor B6	Ephb6	312275	1,31	down
5981859	7253088	1505127	Eph receptor B6	Ephb6	312275	1,31	up
5984662	7253088	1505122	Eph receptor B6	Ephb6	312275	1,77	up
6003716	7253088	1505116	Eph receptor B6	Ephb6	312275	1,25	down
6021725	7253088	1505113	Eph receptor B6	Ephb6	312275	1,18	up
6112802	7253088	1505125	Eph receptor B6	Ephb6	312275	1,32	down
6201910	7253088	1505126	Eph receptor B6	Ephb6	312275	1,03	down
6244574	7253088	1505128	Eph receptor B6	Ephb6	312275	1,34	down
6254681	7253088	1505109	Eph receptor B6	Ephb6	312275	1,38	up
6298335	7253088	1505109	Eph receptor B6	Ephb6	312275	1,19	up
6300968	7253088	1505109	Eph receptor B6	Ephb6	312275	1,64	up
6363539	7253088	1505129	Eph receptor B6	Ephb6	312275	2,39	down
6421022	7253088	1505119	Eph receptor B6	Ephb6	312275	1,02	up

6449916	7253088	1505120	Eph receptor B6	Ephb6	312275	1,61	down
6483917	7253088	1505132	Eph receptor B6	Ephb6	312275	1,11	up
6539672	7253088	1505114	Eph receptor B6	Ephb6	312275	1,07	up
6681194	7253088	1505121	Eph receptor B6	Ephb6	312275	1,00	up
5640354	7117526	1171026	EphA5	Epha5	79208	1,14	up
5729407	7117526	1170987	EphA5	Epha5	79208	1,10	up
5830489	7117526	1171015	EphA5	Epha5	79208	1,25	up
5986200	7117526	1171031	EphA5	Epha5	79208	1,38	up
6063084	7117526	1171009	EphA5	Epha5	79208	1,49	down
6101730	7117526	1170976	EphA5	Epha5	79208	1,29	down
6110503	7117526	1170976	EphA5	Epha5	79208	1,14	down
6154671	7117526	1171010	EphA5	Epha5	79208	1,02	down
6283260	7117526	1170983	EphA5	Epha5	79208	1,20	down
6294312	7117526	1171008	EphA5	Epha5	79208	1,05	down
6382082	7117526	1171020	EphA5	Epha5	79208	1,16	down
6433664	7117526	1171028	EphA5	Epha5	79208	1,02	down
6466415	7117526	1171025	EphA5	Epha5	79208	1,44	up
6607737	7117526	1171027	EphA5	Epha5	79208	1,58	down
6658919	7117526	1171002	EphA5	Epha5	79208	1,01	up
6680825	7117526	1171021	EphA5	Epha5	79208	2,25	down
6684318	7117526	1170976	EphA5	Epha5	79208	1,26	up
6686297	7117526	1171030	EphA5	Epha5	79208	1,29	down
6715130	7117526	1171019	EphA5	Epha5	79208	1,09	down
5647028	7375891	1811232	ephrin B1	Efnb1	25186	1,06	up
5777661	7375891	1811232	ephrin B1	Efnb1	25186	1,16	down
5837081	7375891	1811233	ephrin B1	Efnb1	25186	1,10	up
5974432	7375891	1811234	ephrin B1	Efnb1	25186	1,14	up
6048623	7375891	1811238	ephrin B1	Efnb1	25186	1,39	up
6073963	7375891	1811232	ephrin B1	Efnb1	25186	4,29	down
6129301	7375891	1811237	ephrin B1	Efnb1	25186	1,07	down
6311047	7375891	1811235	ephrin B1	Efnb1	25186	2,04	up
6508937	7375891	1811236	ephrin B1	Efnb1	25186	1,16	up
6583363	7375891	1811232	ephrin B1	Efnb1	25186	1,03	up
6663330	7375891	1811238	ephrin B1	Efnb1	25186	1,33	down
6726190	7375891	1811232	ephrin B1	Efnb1	25186	1,27	up
6734732	7375891	1811232	ephrin B1	Efnb1	25186	1,17	up
5628279	7214067	1408218	epidermal growth factor	Egf	25313	1,59	up
5631521	7214067	1408217	epidermal growth factor	Egf	25313	1,15	up
5687511	7214067	1408217	epidermal growth factor	Egf	25313	1,06	up
5692820	7214067	1408236	epidermal growth factor	Egf	25313	1,11	down
5700452	7214067	1408235	epidermal growth factor	Egf	25313	1,20	down
5702773	7214067	1408239	epidermal growth factor	Egf	25313	1,62	down
5705775	7214067	1408234	epidermal growth factor	Egf	25313	1,17	up
5715278	7214067	1408231	epidermal growth factor	Egf	25313	1,29	up
5793643	7214067	1408221	epidermal growth factor	Egf	25313	1,02	up
5915947	7214067	1408226	epidermal growth factor	Egf	25313	1,25	up
6043815	7214067	1408219	epidermal growth factor	Egf	25313	1,18	down
6074664	7214067	1408235	epidermal growth factor	Egf	25313	1,13	up
6115928	7214067	1408225	epidermal growth factor	Egf	25313	1,17	up
6120339	7214067	1408227	epidermal growth factor	Egf	25313	1,25	down
6154770	7214067	1408230	epidermal growth factor	Egf	25313	1,68	up
6159677	7214067	1408229	epidermal growth factor	Egf	25313	1,17	up
6215397	7214067	1408220	epidermal growth factor	Egf	25313	2,16	up
6234021	7214067	1408222	epidermal growth factor	Egf	25313	1,15	down
6247081	7214067	1408228	epidermal growth factor	Egf	25313	1,35	down
6279391	7214067	1408223	epidermal growth factor	Egf	25313	1,07	down

6492440	7214067	1408238	epidermal growth factor	Egf	25313	1,04	up
6615568	7214067	1408237	epidermal growth factor	Egf	25313	1,02	down
6623228	7214067	1408232	epidermal growth factor	Egf	25313	1,05	up
6627671	7214067	1408217	epidermal growth factor	Egf	25313	1,01	up
6666763	7214067	1408224	epidermal growth factor	Egf	25313	1,08	up
6695642	7214067	1408219	epidermal growth factor	Egf	25313	1,12	up
6711264	7214067	1408238	epidermal growth factor	Egf	25313	1,91	down
6746247	7214067	1408233	epidermal growth factor	Egf	25313	1,42	down
5656336	7207069	1392007	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,03	up
5832385	7207069	1392013	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,04	up
5899870	7207069	1392012	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,22	up
6188562	7207069	1392011	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,06	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	1,01	up
6564650	7207069	1392007	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,03	down
6712147	7207069	1392016	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,12	down
5647091	7259141	1520444	epithelial membrane protein 1	Emp1	25314	1,15	up
6004146	7259141	1520445	epithelial membrane protein 1	Emp1	25314	2,04	down
6069754	7259141	1520441	epithelial membrane protein 1	Emp1	25314	1,06	up
6141175	7259141	1520441	epithelial membrane protein 1	Emp1	25314	1,15	down
6728436	7259141	1520443	epithelial membrane protein 1	Emp1	25314	1,05	down
6736608	7259141	1520442	epithelial membrane protein 1	Emp1	25314	1,01	down
6274261	7064843	1043180	epithelial membrane protein 2	Emp2	360468	2,46	down
6424952	7064843	1043184	epithelial membrane protein 2	Emp2	360468	1,10	up
6428871	7064843	1043183	epithelial membrane protein 2	Emp2	360468	2,84	down
6461589	7064843	1043181	epithelial membrane protein 2	Emp2	360468	1,09	down
6462383	7064843	1043182	epithelial membrane protein 2	Emp2	360468	1,10	up
6617117	7064843	1043181	epithelial membrane protein 2	Emp2	360468	1,58	up
6681498	7064843	1043185	epithelial membrane protein 2	Emp2	360468	3,13	up
5640297	7078282	1075836	epsin 2	Epn2	60443	1,21	down
5721256	7078282	1075835	epsin 2	Epn2	60443	2,45	down
5723325	7078282	1075835	epsin 2	Epn2	60443	1,29	down
6022724	7078282	1075837	epsin 2	Epn2	60443	1,13	down
6034777	7078282	1075835	epsin 2	Epn2	60443	1,15	down
6096935	7078282	1075840	epsin 2	Epn2	60443	1,12	down
6192793	7078282	1075839	epsin 2	Epn2	60443	1,20	up
6397908	7078282	1075841	epsin 2	Epn2	60443	1,20	up
6426968	7078282	1075839	epsin 2	Epn2	60443	1,24	up
6546153	7078282	1075838	epsin 2	Epn2	60443	1,01	down
6653804	7078282	1075842	epsin 2	Epn2	60443	1,06	up
5720422	7246993	1490083	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,27	down
5935510	7246993	1490082	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,03	up
5941066	7246993	1490084	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,26	down
6057374	7246993	1490085	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,09	up
6126860	7246993	1490088	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,11	down
6278896	7246993	1490079	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,13	down
6308798	7246993	1490086	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,10	down
6429678	7246993	1490087	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,09	down
6454863	7246993	1490089	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,60	up
6539507	7246993	1490079	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,40	up
6558244	7246993	1490089	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	2,32	down
6651587	7246993	1490081	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,19	down
6664061	7246993	1490080	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,11	up
6709013	7246993	1490078	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	2,34	up
5850585	7234407	1459363	ERGIC and golgi 3	Ergic3	296306	1,09	up
5960214	7234407	1459361	ERGIC and golgi 3	Ergic3	296306	1,02	down

6253685	7234407	1459368	ERGIC and golgi 3	Ergic3	296306	1,19	down
6259590	7234407	1459360	ERGIC and golgi 3	Ergic3	296306	1,29	up
6373434	7234407	1459369	ERGIC and golgi 3	Ergic3	296306	1,31	down
6408937	7234407	1459372	ERGIC and golgi 3	Ergic3	296306	1,42	up
6499031	7234407	1459366	ERGIC and golgi 3	Ergic3	296306	1,10	down
6512832	7234407	1459371	ERGIC and golgi 3	Ergic3	296306	1,04	up
6579918	7234407	1459370	ERGIC and golgi 3	Ergic3	296306	1,10	up
6602160	7234407	1459359	ERGIC and golgi 3	Ergic3	296306	1,65	up
6670296	7234407	1459358	ERGIC and golgi 3	Ergic3	296306	1,08	up
6675123	7234407	1459372	ERGIC and golgi 3	Ergic3	296306	1,22	up
6677030	7234407	1459362	ERGIC and golgi 3	Ergic3	296306	1,16	up
6724831	7234407	1459372	ERGIC and golgi 3	Ergic3	296306	1,16	down
5632995	7358708	1766598	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,01	down
5658532	7358708	1766597	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,04	down
5669804	7358708	1766578	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,42	down
5683081	7358708	1766599	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,22	up
5708905	7358708	1766589	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,11	up
5765900	7358708	1766583	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,03	up
5800990	7358708	1766601	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,14	down
5902308	7358708	1766589	erythrocyte protein band 4.1-like 3	Epb4.113	116724	2,01	down
5996337	7358708	1766600	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,04	down
5997605	7358708	1766590	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,09	up
6012012	7358708	1766586	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,08	up
6023114	7358708	1766589	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,58	down
6060636	7358708	1766583	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,00	down
6074748	7358708	1766592	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,54	up
6152352	7358708	1766587	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,17	up
6285607	7358708	1766589	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,05	down
6307393	7358708	1766595	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,29	down
6343362	7358708	1766601	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,07	down
6401092	7358708	1766588	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,17	up
6425756	7358708	1766584	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,18	down
6471136	7358708	1766579	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,09	down
6479016	7358708	1766581	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,11	down
6484663	7358708	1766591	erythrocyte protein band 4.1-like 3	Epb4.113	116724	2,94	down
6505080	7358708	1766596	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,02	up
6557031	7358708	1766580	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,19	up
6578377	7358708	1766585	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,06	down
6643729	7358708	1766582	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,29	up
6652816	7358708	1766588	erythrocyte protein band 4.1-like 3	Epb4.113	116724	1,07	up
5648968	7174281	1310869	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,17	down
5712566	7174281	1310855	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,24	down
5736456	7174281	1310859	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,10	down
5804730	7174281	1310873	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,22	up
5876087	7174281	1310854	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,05	down
5898489	7174281	1310872	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,41	down
5903988	7174281	1310866	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,53	down
6066993	7174281	1310842	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,09	up
6067285	7174281	1310858	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,11	up
6198381	7174281	1310851	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,22	down
6246084	7174281	1310857	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,34	down
6247574	7174281	1310845	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,50	up
6263738	7174281	1310850	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,12	up
6387949	7174281	1310845	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,32	up
6413737	7174281	1310871	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,25	up
6462360	7174281	1310874	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,15	down

6685775	7174281	1310843	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,03	up
6702095	7174281	1310870	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,17	up
6724243	7174281	1310847	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,37	down
5780273	7343073	1727579	erythropoietin receptor	Epor	24336	1,12	up
5802671	7343073	1727586	erythropoietin receptor	Epor	24336	1,77	down
5962264	7343073	1727582	erythropoietin receptor	Epor	24336	1,35	up
6154590	7343073	1727582	erythropoietin receptor	Epor	24336	1,16	down
6165847	7343073	1727583	erythropoietin receptor	Epor	24336	1,13	up
6264940	7343073	1727581	erythropoietin receptor	Epor	24336	1,10	down
6431465	7343073	1727586	erythropoietin receptor	Epor	24336	1,07	up
6497987	7343073	1727581	erythropoietin receptor	Epor	24336	2,69	up
6525783	7343073	1727582	erythropoietin receptor	Epor	24336	1,03	up
6540407	7343073	1727584	erythropoietin receptor	Epor	24336	1,11	down
6540440	7343073	1727585	erythropoietin receptor	Epor	24336	1,48	down
6628612	7343073	1727580	erythropoietin receptor	Epor	24336	1,49	down
5642892	7245695	1487073	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,01	down
5749425	7245695	1487082	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,32	down
5778250	7245695	1487074	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,26	up
5869727	7245695	1487072	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,79	down
6121922	7245695	1487078	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,46	up
6159057	7245695	1487077	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,25	up
6180613	7245695	1487075	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,00	up
6239280	7245695	1487076	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,19	down
6284997	7245695	1487079	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,16	up
6318268	7245695	1487071	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,03	up
6337317	7245695	1487082	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,52	up
6361825	7245695	1487083	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,30	up
6381299	7245695	1487080	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,47	up
6410900	7245695	1487069	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	2,10	up
6541240	7245695	1487073	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,40	down
6558302	7245695	1487083	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,22	down
6598675	7245695	1487082	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,36	up
6677117	7245695	1487082	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	Esf1	366203	1,06	up
5634464	7316647	1664068	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,04	down
5646376	7316647	1664071	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	3,82	down
6134689	7316647	1664069	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,10	up
6178540	7316647	1664070	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,08	up
6278527	7316647	1664066	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,38	up
6385301	7316647	1664072	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,28	down
6545900	7316647	1664065	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,36	up
6602757	7316647	1664065	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,30	up
6692396	7316647	1664067	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,09	up
5721745	7242451	1479340	ets homologous factor	Ehf	295965	1,06	down
5750526	7242451	1479339	ets homologous factor	Ehf	295965	1,13	up
5778298	7242451	1479343	ets homologous factor	Ehf	295965	1,37	down
6358179	7242451	1479342	ets homologous factor	Ehf	295965	1,16	down
6443925	7242451	1479344	ets homologous factor	Ehf	295965	1,10	down
6605604	7242451	1479338	ets homologous factor	Ehf	295965	2,01	up
6623576	7242451	1479351	ets homologous factor	Ehf	295965	1,72	down
6667315	7242451	1479346	ets homologous factor	Ehf	295965	1,24	up
6725833	7242451	1479345	ets homologous factor	Ehf	295965	2,01	down
5685323	7297523	1615455	ets variant 1	Etv1	362733	1,20	down
5781298	7297523	1615425	ets variant 1	Etv1	362733	1,23	up
5784338	7297523	1615424	ets variant 1	Etv1	362733	1,15	down
5831304	7297523	1615454	ets variant 1	Etv1	362733	1,15	down
6057217	7297523	1615451	ets variant 1	Etv1	362733	2,15	down

6113275	7297523	1615438	ets variant 1	Etv1	362733	1,18	up
6139455	7297523	1615439	ets variant 1	Etv1	362733	1,12	down
6210641	7297523	1615453	ets variant 1	Etv1	362733	1,06	down
6259813	7297523	1615428	ets variant 1	Etv1	362733	1,42	up
6276178	7297523	1615426	ets variant 1	Etv1	362733	1,28	down
6325893	7297523	1615432	ets variant 1	Etv1	362733	1,15	down
6595340	7297523	1615455	ets variant 1	Etv1	362733	1,01	down
6686071	7297523	1615442	ets variant 1	Etv1	362733	1,09	down
5677521	7089499	1102390	ets variant 5	Etv5	303828	1,05	up
5755456	7089499	1102379	ets variant 5	Etv5	303828	1,63	down
5769950	7089499	1102402	ets variant 5	Etv5	303828	1,06	down
5861905	7089499	1102394	ets variant 5	Etv5	303828	1,13	up
5866419	7089499	1102388	ets variant 5	Etv5	303828	1,06	up
5935367	7089499	1102388	ets variant 5	Etv5	303828	1,39	up
6054391	7089499	1102377	ets variant 5	Etv5	303828	1,16	down
6084759	7089499	1102394	ets variant 5	Etv5	303828	1,06	down
6127285	7089499	1102401	ets variant 5	Etv5	303828	2,00	up
6273383	7089499	1102380	ets variant 5	Etv5	303828	1,11	up
6285823	7089499	1102396	ets variant 5	Etv5	303828	1,08	down
6316869	7089499	1102400	ets variant 5	Etv5	303828	1,23	up
6319989	7089499	1102395	ets variant 5	Etv5	303828	1,32	up
6373113	7089499	1102390	ets variant 5	Etv5	303828	1,48	up
6510951	7089499	1102397	ets variant 5	Etv5	303828	1,14	up
6574116	7089499	1102378	ets variant 5	Etv5	303828	1,08	down
6591511	7089499	1102401	ets variant 5	Etv5	303828	1,66	down
6633139	7089499	1102375	ets variant 5	Etv5	303828	1,28	down
6733412	7089499	1102390	ets variant 5	Etv5	303828	1,38	down
5728616	7267052	1539409	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,11	down
5769111	7267052	1539431	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,83	up
5979211	7267052	1539416	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,06	down
6228260	7267052	1539428	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,19	up
6264420	7267052	1539400	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,05	down
6375906	7267052	1539441	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,11	down
6388014	7267052	1539399	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,09	down
6409849	7267052	1539427	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	1,09	up
6556374	7267052	1539399	eukaryotic elongation factor, selenocysteine-tRNA-specific	Eefsec	500255	2,53	down
5670417	7036394	976761	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,65	up
5744762	7036394	976757	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,14	up
5787833	7036394	976755	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,93	down
5851984	7036394	976771	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,01	down
5872962	7036394	976762	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,84	down
5873474	7036394	976756	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,97	down
5945109	7036394	976755	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,17	up
5960580	7036394	976762	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,13	up
6186383	7036394	976765	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,10	down
6201395	7036394	976768	eukaryotic elongation factor-2 kinase	Eef2k	25435	2,02	down
6252551	7036394	976770	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,22	down
6254140	7036394	976773	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,61	down
6312901	7036394	976772	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,18	down
6329010	7036394	976759	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,30	down
6359914	7036394	976768	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,26	down
6476629	7036394	976767	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,18	up
6495757	7036394	976769	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,12	up
6510560	7036394	976760	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,05	up
6635577	7036394	976763	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,03	down
6683957	7036394	976764	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,45	up

6714939	7036394	976766	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,05	up
6733499	7036394	976758	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,28	up
6739628	7036394	976756	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,14	up
6471810	7114108	1162444	eukaryotic translation elongation factor 1 gamma	Eef1g	293725	1,11	up
6665388	7114108	1162444	eukaryotic translation elongation factor 1 gamma	Eef1g	293725	1,11	up
5667464	7291054	1599411	eukaryotic translation initiation factor 2C, 3	Eif2c3	313593	1,09	down
5771558	7291054	1599411	eukaryotic translation initiation factor 2C, 3	Eif2c3	313593	1,25	up
6417575	7291054	1599389	eukaryotic translation initiation factor 2C, 3	Eif2c3	313593	1,00	down
5618271	7267802	1541887	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,94	up
5879494	7267802	1541906	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,45	up
6042601	7267802	1541896	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,29	up
6066444	7267802	1541895	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,37	up
6152850	7267802	1541903	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,68	up
6489608	7267802	1541890	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,29	up
6608597	7267802	1541894	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,60	up
5657579	7168914	1297020	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,22	up
5700782	7168914	1297030	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,15	down
5835098	7168914	1297037	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,77	down
5958818	7168914	1297027	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,77	down
5990092	7168914	1297035	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,12	down
6043032	7168914	1297037	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,18	up
6085909	7168914	1297020	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,24	down
6100699	7168914	1297024	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,16	up
6247706	7168914	1297023	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,11	down
6278291	7168914	1297036	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,45	up
6294392	7168914	1297021	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,06	down
6340112	7168914	1297034	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,12	up
6396596	7168914	1297038	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,42	down
6418267	7168914	1297029	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,08	up
6422258	7168914	1297033	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,15	down
6434616	7168914	1297026	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,07	down
6606316	7168914	1297031	excision repair cross-complementing rodent repair deficiency, complementation gr	Ercc3	291703	1,06	down
5646482	7184850	1337606	exocyst complex component 3-like	Exoc3l	291961	1,71	down
5658581	7184850	1337600	exocyst complex component 3-like	Exoc3l	291961	1,33	down
5701410	7184850	1337611	exocyst complex component 3-like	Exoc3l	291961	1,18	down
5740883	7184850	1337612	exocyst complex component 3-like	Exoc3l	291961	1,04	down
5817769	7184850	1337601	exocyst complex component 3-like	Exoc3l	291961	1,07	down
5877861	7184850	1337604	exocyst complex component 3-like	Exoc3l	291961	1,03	down
5963732	7184850	1337601	exocyst complex component 3-like	Exoc3l	291961	2,04	up
6095863	7184850	1337607	exocyst complex component 3-like	Exoc3l	291961	1,02	up
6110485	7184850	1337600	exocyst complex component 3-like	Exoc3l	291961	1,31	up
6238659	7184850	1337610	exocyst complex component 3-like	Exoc3l	291961	1,63	down
6239849	7184850	1337603	exocyst complex component 3-like	Exoc3l	291961	1,15	down
6293526	7184850	1337602	exocyst complex component 3-like	Exoc3l	291961	1,08	up
6326116	7184850	1337612	exocyst complex component 3-like	Exoc3l	291961	1,68	down
6458779	7184850	1337608	exocyst complex component 3-like	Exoc3l	291961	1,03	down
6538614	7184850	1337610	exocyst complex component 3-like	Exoc3l	291961	1,20	down
6571731	7184850	1337601	exocyst complex component 3-like	Exoc3l	291961	1,30	up
6594681	7184850	1337601	exocyst complex component 3-like	Exoc3l	291961	1,05	up
6698126	7184850	1337605	exocyst complex component 3-like	Exoc3l	291961	1,26	up
5652395	7108122	1147387	exonuclease 1	Exo1	305000	1,01	up
5673349	7108122	1147400	exonuclease 1	Exo1	305000	1,30	down
5803188	7108122	1147401	exonuclease 1	Exo1	305000	1,32	up
5831968	7108122	1147401	exonuclease 1	Exo1	305000	1,15	down
5901575	7108122	1147392	exonuclease 1	Exo1	305000	1,06	down
5909459	7108122	1147388	exonuclease 1	Exo1	305000	1,09	up

5955289	7108122	1147385	exonuclease 1	Exo1	305000	2,14	down
6044992	7108122	1147389	exonuclease 1	Exo1	305000	1,26	down
6100581	7108122	1147390	exonuclease 1	Exo1	305000	1,19	down
6123128	7108122	1147394	exonuclease 1	Exo1	305000	1,02	up
6124709	7108122	1147399	exonuclease 1	Exo1	305000	1,03	up
6245441	7108122	1147391	exonuclease 1	Exo1	305000	1,69	down
6303091	7108122	1147394	exonuclease 1	Exo1	305000	1,11	up
6357440	7108122	1147398	exonuclease 1	Exo1	305000	1,44	up
6357667	7108122	1147394	exonuclease 1	Exo1	305000	1,13	down
6426185	7108122	1147393	exonuclease 1	Exo1	305000	1,02	down
6592124	7108122	1147397	exonuclease 1	Exo1	305000	1,00	up
5756362	7198274	1371202	exostoses (multiple)-like 2	Extl2	310803	1,02	up
5762472	7198274	1371203	exostoses (multiple)-like 2	Extl2	310803	1,52	up
5868212	7198274	1371201	exostoses (multiple)-like 2	Extl2	310803	2,22	down
6021498	7198274	1371199	exostoses (multiple)-like 2	Extl2	310803	1,21	up
6043251	7198274	1371198	exostoses (multiple)-like 2	Extl2	310803	3,12	down
6139240	7198274	1371195	exostoses (multiple)-like 2	Extl2	310803	1,30	down
6536677	7198274	1371201	exostoses (multiple)-like 2	Extl2	310803	1,49	up
6565188	7198274	1371204	exostoses (multiple)-like 2	Extl2	310803	1,15	down
6576420	7198274	1371195	exostoses (multiple)-like 2	Extl2	310803	1,54	up
5636570	7359659	1768810	exportin 5	Xpo5	363194	1,19	down
5666150	7359659	1768805	exportin 5	Xpo5	363194	1,21	down
5687462	7359659	1768828	exportin 5	Xpo5	363194	1,28	down
5729029	7359659	1768827	exportin 5	Xpo5	363194	1,14	up
5772288	7359659	1768808	exportin 5	Xpo5	363194	1,16	up
5824334	7359659	1768824	exportin 5	Xpo5	363194	1,11	up
5833877	7359659	1768829	exportin 5	Xpo5	363194	1,05	up
5883260	7359659	1768818	exportin 5	Xpo5	363194	1,27	down
5893037	7359659	1768823	exportin 5	Xpo5	363194	1,27	down
5919562	7359659	1768838	exportin 5	Xpo5	363194	1,14	up
5935858	7359659	1768821	exportin 5	Xpo5	363194	1,00	up
5940716	7359659	1768832	exportin 5	Xpo5	363194	1,09	down
6028102	7359659	1768805	exportin 5	Xpo5	363194	1,21	down
6030052	7359659	1768816	exportin 5	Xpo5	363194	1,07	up
6050461	7359659	1768822	exportin 5	Xpo5	363194	1,19	up
6109454	7359659	1768827	exportin 5	Xpo5	363194	1,52	up
6171928	7359659	1768837	exportin 5	Xpo5	363194	1,22	up
6173938	7359659	1768834	exportin 5	Xpo5	363194	1,09	down
6269251	7359659	1768817	exportin 5	Xpo5	363194	1,06	up
6321340	7359659	1768841	exportin 5	Xpo5	363194	1,27	up
6328553	7359659	1768826	exportin 5	Xpo5	363194	1,01	up
6350944	7359659	1768835	exportin 5	Xpo5	363194	1,23	up
6363199	7359659	1768814	exportin 5	Xpo5	363194	1,01	down
6368301	7359659	1768814	exportin 5	Xpo5	363194	1,21	down
6374654	7359659	1768831	exportin 5	Xpo5	363194	1,22	down
6423477	7359659	1768840	exportin 5	Xpo5	363194	1,12	down
6429017	7359659	1768840	exportin 5	Xpo5	363194	1,34	down
6441825	7359659	1768809	exportin 5	Xpo5	363194	1,01	down
6470723	7359659	1768825	exportin 5	Xpo5	363194	1,71	down
6472764	7359659	1768806	exportin 5	Xpo5	363194	1,06	up
6499688	7359659	1768804	exportin 5	Xpo5	363194	1,15	down
6520543	7359659	1768812	exportin 5	Xpo5	363194	1,05	up
6524251	7359659	1768813	exportin 5	Xpo5	363194	1,15	down
6584382	7359659	1768839	exportin 5	Xpo5	363194	1,22	down
6621078	7359659	1768836	exportin 5	Xpo5	363194	2,80	down
6648859	7359659	1768831	exportin 5	Xpo5	363194	1,22	up

6671387	7359659	1768804	exportin 5	Xpo5	363194	1,25	down
6699050	7359659	1768841	exportin 5	Xpo5	363194	1,27	down
6701413	7359659	1768830	exportin 5	Xpo5	363194	1,18	up
6710615	7359659	1768811	exportin 5	Xpo5	363194	1,21	up
5744745	7321029	1674833	extra spindle poles like 1 (S. cerevisiae)	Esp1l	315330	1,40	up
6378791	7321029	1674802	extra spindle poles like 1 (S. cerevisiae)	Esp1l	315330	1,16	up
5627004	7046271	1001494	ezrin	Ezr	54319	1,03	down
5964755	7046271	1001492	ezrin	Ezr	54319	1,33	up
5980531	7046271	1001484	ezrin	Ezr	54319	1,43	up
5998117	7046271	1001488	ezrin	Ezr	54319	1,19	down
6011763	7046271	1001491	ezrin	Ezr	54319	1,17	down
6014334	7046271	1001486	ezrin	Ezr	54319	1,27	down
6077667	7046271	1001489	ezrin	Ezr	54319	1,14	up
6196438	7046271	1001495	ezrin	Ezr	54319	2,42	down
6215634	7046271	1001487	ezrin	Ezr	54319	1,05	up
6223958	7046271	1001493	ezrin	Ezr	54319	1,29	up
6232116	7046271	1001485	ezrin	Ezr	54319	2,52	down
6358476	7046271	1001482	ezrin	Ezr	54319	1,04	down
6639910	7046271	1001483	ezrin	Ezr	54319	1,20	down
6693990	7046271	1001490	ezrin	Ezr	54319	1,48	up
6711053	7046271	1001495	ezrin	Ezr	54319	2,93	down
5629914	7107804	1146530	F11 receptor	F11r	116479	1,33	up
5634060	7107804	1146528	F11 receptor	F11r	116479	1,04	down
5697156	7107804	1146531	F11 receptor	F11r	116479	1,30	down
5737172	7107804	1146534	F11 receptor	F11r	116479	1,14	up
5793848	7107804	1146532	F11 receptor	F11r	116479	1,64	down
5953358	7107804	1146533	F11 receptor	F11r	116479	1,22	up
5991939	7107804	1146535	F11 receptor	F11r	116479	2,23	down
6018772	7107804	1146536	F11 receptor	F11r	116479	1,11	up
6093242	7107804	1146536	F11 receptor	F11r	116479	1,69	up
6229310	7107804	1146536	F11 receptor	F11r	116479	1,11	up
6538272	7107804	1146529	F11 receptor	F11r	116479	1,40	down
5758205	7079887	1079286	family with sequence similarity 101, member B	Fam101b	287534	1,84	down
6029108	7079887	1079286	family with sequence similarity 101, member B	Fam101b	287534	1,14	down
6127903	7079887	1079287	family with sequence similarity 101, member B	Fam101b	287534	1,22	up
6291784	7079887	1079288	family with sequence similarity 101, member B	Fam101b	287534	1,08	up
6350902	7079887	1079288	family with sequence similarity 101, member B	Fam101b	287534	3,05	down
5734047	7053878	1018355	family with sequence similarity 108, member C1	Fam108c1	361601	1,08	down
5918365	7053878	1018354	family with sequence similarity 108, member C1	Fam108c1	361601	1,21	up
5955296	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	1,15	down
6242960	7053878	1018368	family with sequence similarity 108, member C1	Fam108c1	361601	1,03	up
6350288	7053878	1018354	family with sequence similarity 108, member C1	Fam108c1	361601	1,10	up
6413748	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	1,01	up
6646597	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	1,38	up
6673019	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	2,49	down
5972462	7264274	1533164	family with sequence similarity 115, member C	Fam115c	680422	2,05	down
6515789	7264274	1533165	family with sequence similarity 115, member C	Fam115c	680422	1,32	down
5667027	7142853	1232896	family with sequence similarity 116, member A	Fam116a	306229	1,18	down
5679600	7142853	1232903	family with sequence similarity 116, member A	Fam116a	306229	1,34	up
5684288	7142853	1232902	family with sequence similarity 116, member A	Fam116a	306229	1,08	down
5743322	7142853	1232888	family with sequence similarity 116, member A	Fam116a	306229	1,44	up
5853330	7142853	1232901	family with sequence similarity 116, member A	Fam116a	306229	1,01	up
5876784	7142853	1232898	family with sequence similarity 116, member A	Fam116a	306229	1,18	down
5914517	7142853	1232899	family with sequence similarity 116, member A	Fam116a	306229	2,01	down
5965800	7142853	1232890	family with sequence similarity 116, member A	Fam116a	306229	1,27	down
6010300	7142853	1232905	family with sequence similarity 116, member A	Fam116a	306229	1,39	down

6169470	7142853	1232897	family with sequence similarity 116, member A	Fam116a	306229	1,54	down
6196506	7142853	1232903	family with sequence similarity 116, member A	Fam116a	306229	1,35	up
6299151	7142853	1232907	family with sequence similarity 116, member A	Fam116a	306229	1,08	up
6344897	7142853	1232895	family with sequence similarity 116, member A	Fam116a	306229	1,11	up
6375246	7142853	1232886	family with sequence similarity 116, member A	Fam116a	306229	1,24	up
6422556	7142853	1232900	family with sequence similarity 116, member A	Fam116a	306229	1,03	up
6468081	7142853	1232907	family with sequence similarity 116, member A	Fam116a	306229	1,24	down
6514403	7142853	1232893	family with sequence similarity 116, member A	Fam116a	306229	1,31	down
6516333	7142853	1232884	family with sequence similarity 116, member A	Fam116a	306229	1,38	up
6535727	7142853	1232894	family with sequence similarity 116, member A	Fam116a	306229	1,00	down
6570105	7142853	1232889	family with sequence similarity 116, member A	Fam116a	306229	1,06	up
6598419	7142853	1232895	family with sequence similarity 116, member A	Fam116a	306229	1,48	down
6602654	7142853	1232887	family with sequence similarity 116, member A	Fam116a	306229	1,04	down
6650257	7142853	1232895	family with sequence similarity 116, member A	Fam116a	306229	1,08	up
6657688	7142853	1232891	family with sequence similarity 116, member A	Fam116a	306229	1,11	up
5618884	7330727	1697143	family with sequence similarity 116, member B	Fam116b	362983	1,17	down
5641749	7330727	1697140	family with sequence similarity 116, member B	Fam116b	362983	1,04	down
5643326	7330727	1697144	family with sequence similarity 116, member B	Fam116b	362983	1,09	down
5724036	7330727	1697145	family with sequence similarity 116, member B	Fam116b	362983	1,26	down
5753407	7330727	1697141	family with sequence similarity 116, member B	Fam116b	362983	1,20	down
5767774	7330727	1697157	family with sequence similarity 116, member B	Fam116b	362983	1,82	up
5851333	7330727	1697142	family with sequence similarity 116, member B	Fam116b	362983	1,40	down
5865839	7330727	1697152	family with sequence similarity 116, member B	Fam116b	362983	1,26	up
5950337	7330727	1697143	family with sequence similarity 116, member B	Fam116b	362983	1,03	down
5982776	7330727	1697139	family with sequence similarity 116, member B	Fam116b	362983	1,06	up
6041763	7330727	1697143	family with sequence similarity 116, member B	Fam116b	362983	1,41	down
6097451	7330727	1697148	family with sequence similarity 116, member B	Fam116b	362983	1,03	up
6227625	7330727	1697141	family with sequence similarity 116, member B	Fam116b	362983	1,19	down
6356158	7330727	1697150	family with sequence similarity 116, member B	Fam116b	362983	1,39	down
6466215	7330727	1697144	family with sequence similarity 116, member B	Fam116b	362983	1,25	down
6586103	7330727	1697157	family with sequence similarity 116, member B	Fam116b	362983	1,24	up
6597524	7330727	1697151	family with sequence similarity 116, member B	Fam116b	362983	1,19	down
6628124	7330727	1697146	family with sequence similarity 116, member B	Fam116b	362983	1,29	down
6676030	7330727	1697149	family with sequence similarity 116, member B	Fam116b	362983	1,12	up
6678572	7330727	1697153	family with sequence similarity 116, member B	Fam116b	362983	1,31	up
6697341	7330727	1697147	family with sequence similarity 116, member B	Fam116b	362983	1,13	up
5723025	7319486	1670941	family with sequence similarity 118, member A	Fam118a	300120	1,58	down
5789308	7319486	1670938	family with sequence similarity 118, member A	Fam118a	300120	1,18	down
5853934	7319486	1670936	family with sequence similarity 118, member A	Fam118a	300120	1,17	down
5859105	7319486	1670943	family with sequence similarity 118, member A	Fam118a	300120	1,24	down
6050409	7319486	1670934	family with sequence similarity 118, member A	Fam118a	300120	1,88	up
6391434	7319486	1670933	family with sequence similarity 118, member A	Fam118a	300120	1,17	up
6399433	7319486	1670937	family with sequence similarity 118, member A	Fam118a	300120	1,04	down
6663765	7319486	1670940	family with sequence similarity 118, member A	Fam118a	300120	1,07	down
6546594	7363132	1776956	family with sequence similarity 119, member A	Fam119a	301466	1,08	up
5628281	7027797	956311	family with sequence similarity 120B	Fam120b	308218	1,17	down
5646655	7027797	956285	family with sequence similarity 120B	Fam120b	308218	1,40	down
5647247	7027797	956303	family with sequence similarity 120B	Fam120b	308218	1,31	down
5754832	7027797	956297	family with sequence similarity 120B	Fam120b	308218	1,11	up
5955088	7027797	956309	family with sequence similarity 120B	Fam120b	308218	1,02	down
5975472	7027797	956297	family with sequence similarity 120B	Fam120b	308218	1,06	up
5984800	7027797	956286	family with sequence similarity 120B	Fam120b	308218	1,26	down
6029453	7027797	956279	family with sequence similarity 120B	Fam120b	308218	1,21	up
6034000	7027797	956277	family with sequence similarity 120B	Fam120b	308218	1,20	down
6074497	7027797	956278	family with sequence similarity 120B	Fam120b	308218	1,02	down
6166177	7027797	956311	family with sequence similarity 120B	Fam120b	308218	1,43	down

6253550	7027797	956277	family with sequence similarity 120B	Fam120b	308218	1,08	down
6443764	7027797	956300	family with sequence similarity 120B	Fam120b	308218	1,09	up
6448383	7027797	956304	family with sequence similarity 120B	Fam120b	308218	1,14	down
6557317	7027797	956278	family with sequence similarity 120B	Fam120b	308218	1,06	up
6685914	7027797	956311	family with sequence similarity 120B	Fam120b	308218	1,58	down
6691266	7027797	956277	family with sequence similarity 120B	Fam120b	308218	1,03	up
5637412	7226301	1438088	family with sequence similarity 129, member B	Fam129b	362115	2,10	down
5646268	7226301	1438092	family with sequence similarity 129, member B	Fam129b	362115	1,07	down
5806211	7226301	1438095	family with sequence similarity 129, member B	Fam129b	362115	1,01	down
5846382	7226301	1438094	family with sequence similarity 129, member B	Fam129b	362115	1,23	down
5970134	7226301	1438095	family with sequence similarity 129, member B	Fam129b	362115	1,02	up
6037358	7226301	1438083	family with sequence similarity 129, member B	Fam129b	362115	1,09	up
6105731	7226301	1438082	family with sequence similarity 129, member B	Fam129b	362115	1,13	up
6121811	7226301	1438089	family with sequence similarity 129, member B	Fam129b	362115	1,13	down
6269685	7226301	1438087	family with sequence similarity 129, member B	Fam129b	362115	1,70	up
6280408	7226301	1438090	family with sequence similarity 129, member B	Fam129b	362115	1,07	down
6350865	7226301	1438084	family with sequence similarity 129, member B	Fam129b	362115	1,20	up
6438391	7226301	1438091	family with sequence similarity 129, member B	Fam129b	362115	1,12	down
6456884	7226301	1438093	family with sequence similarity 129, member B	Fam129b	362115	1,09	up
6557675	7226301	1438071	family with sequence similarity 129, member B	Fam129b	362115	1,26	up
6648798	7226301	1438081	family with sequence similarity 129, member B	Fam129b	362115	1,35	down
5634267	7265259	1535458	family with sequence similarity 13, member A1	Fam13a1	362378	1,58	up
5685013	7265259	1535465	family with sequence similarity 13, member A1	Fam13a1	362378	1,60	up
5869013	7265259	1535461	family with sequence similarity 13, member A1	Fam13a1	362378	1,05	down
6071666	7265259	1535456	family with sequence similarity 13, member A1	Fam13a1	362378	1,03	up
6358265	7265259	1535459	family with sequence similarity 13, member A1	Fam13a1	362378	1,09	down
6400993	7265259	1535457	family with sequence similarity 13, member A1	Fam13a1	362378	1,17	up
6468125	7265259	1535449	family with sequence similarity 13, member A1	Fam13a1	362378	1,41	up
6498203	7265259	1535468	family with sequence similarity 13, member A1	Fam13a1	362378	1,53	down
6692468	7265259	1535438	family with sequence similarity 13, member A1	Fam13a1	362378	1,38	down
6707068	7265259	1535451	family with sequence similarity 13, member A1	Fam13a1	362378	1,35	down
5679579	7222221	1428051	family with sequence similarity 13, member C1	Fam13c1	294565	1,37	down
5813690	7222221	1428050	family with sequence similarity 13, member C1	Fam13c1	294565	1,06	down
6613057	7222221	1428050	family with sequence similarity 13, member C1	Fam13c1	294565	1,17	down
6682551	7222221	1428054	family with sequence similarity 13, member C1	Fam13c1	294565	1,16	down
6045628	7337492	1713401	family with sequence similarity 148, member B	Fam148b	501015	1,11	down
6412533	7337492	1713404	family with sequence similarity 148, member B	Fam148b	501015	1,89	down
5677659	7278029	1568161	family with sequence similarity 151, member A	Fam151a	313430	1,26	down
5892740	7278029	1568165	family with sequence similarity 151, member A	Fam151a	313430	1,08	down
5917912	7278029	1568159	family with sequence similarity 151, member A	Fam151a	313430	1,06	down
6055715	7278029	1568160	family with sequence similarity 151, member A	Fam151a	313430	1,04	down
6102659	7278029	1568165	family with sequence similarity 151, member A	Fam151a	313430	1,02	down
6125289	7278029	1568166	family with sequence similarity 151, member A	Fam151a	313430	1,06	up
6158027	7278029	1568163	family with sequence similarity 151, member A	Fam151a	313430	1,15	up
6194790	7278029	1568164	family with sequence similarity 151, member A	Fam151a	313430	1,22	up
6267937	7278029	1568167	family with sequence similarity 151, member A	Fam151a	313430	2,19	up
6708024	7278029	1568162	family with sequence similarity 151, member A	Fam151a	313430	1,30	down
5812912	7034603	972874	family with sequence similarity 168, member A	Fam168a	361614	1,16	up
5858181	7034603	972867	family with sequence similarity 168, member A	Fam168a	361614	1,12	up
5952207	7034603	972870	family with sequence similarity 168, member A	Fam168a	361614	1,34	down
6019390	7034603	972860	family with sequence similarity 168, member A	Fam168a	361614	1,11	up
6150064	7034603	972860	family with sequence similarity 168, member A	Fam168a	361614	1,18	down
6158854	7034603	972877	family with sequence similarity 168, member A	Fam168a	361614	1,68	down
6226302	7034603	972865	family with sequence similarity 168, member A	Fam168a	361614	1,19	down
6267835	7034603	972877	family with sequence similarity 168, member A	Fam168a	361614	1,31	up
6368953	7034603	972876	family with sequence similarity 168, member A	Fam168a	361614	2,07	up

6514662	7034603	972877	family with sequence similarity 168, member A	Fam168a	361614	1,26	down
6639757	7034603	972871	family with sequence similarity 168, member A	Fam168a	361614	1,06	up
6669812	7034603	972877	family with sequence similarity 168, member A	Fam168a	361614	1,11	up
6726997	7034603	972876	family with sequence similarity 168, member A	Fam168a	361614	1,02	up
6737381	7034603	972875	family with sequence similarity 168, member A	Fam168a	361614	1,56	down
5808024	7263652	1531642	family with sequence similarity 180, member A	Fam180a	362336	1,00	down
5815241	7263652	1531630	family with sequence similarity 180, member A	Fam180a	362336	1,10	up
5893337	7263652	1531632	family with sequence similarity 180, member A	Fam180a	362336	1,92	down
6134898	7263652	1531630	family with sequence similarity 180, member A	Fam180a	362336	1,04	down
6378858	7263652	1531642	family with sequence similarity 180, member A	Fam180a	362336	1,14	down
6477568	7263652	1531642	family with sequence similarity 180, member A	Fam180a	362336	2,09	up
5625477	7262735	1529350	family with sequence similarity 3, member C	Fam3c	312159	1,13	down
5805083	7262735	1529343	family with sequence similarity 3, member C	Fam3c	312159	2,14	up
5810532	7262735	1529349	family with sequence similarity 3, member C	Fam3c	312159	1,22	up
5857298	7262735	1529347	family with sequence similarity 3, member C	Fam3c	312159	1,05	down
6096157	7262735	1529351	family with sequence similarity 3, member C	Fam3c	312159	1,81	down
6528183	7262735	1529344	family with sequence similarity 3, member C	Fam3c	312159	1,00	down
6575416	7262735	1529348	family with sequence similarity 3, member C	Fam3c	312159	1,01	up
6652637	7262735	1529345	family with sequence similarity 3, member C	Fam3c	312159	1,14	down
6711800	7262735	1529352	family with sequence similarity 3, member C	Fam3c	312159	1,13	up
6717882	7262735	1529346	family with sequence similarity 3, member C	Fam3c	312159	1,36	down
5625040	7186305	1341021	family with sequence similarity 38, member A	Fam38a	361430	1,13	down
5643889	7186305	1341026	family with sequence similarity 38, member A	Fam38a	361430	1,25	up
5696497	7186305	1341018	family with sequence similarity 38, member A	Fam38a	361430	1,91	down
5717490	7186305	1341014	family with sequence similarity 38, member A	Fam38a	361430	1,35	up
5788053	7186305	1341009	family with sequence similarity 38, member A	Fam38a	361430	1,06	down
5842430	7186305	1341029	family with sequence similarity 38, member A	Fam38a	361430	2,07	up
5851283	7186305	1341007	family with sequence similarity 38, member A	Fam38a	361430	1,34	up
5904210	7186305	1341005	family with sequence similarity 38, member A	Fam38a	361430	1,14	down
5904510	7186305	1341034	family with sequence similarity 38, member A	Fam38a	361430	1,61	up
5920884	7186305	1341017	family with sequence similarity 38, member A	Fam38a	361430	1,09	down
5921878	7186305	1341025	family with sequence similarity 38, member A	Fam38a	361430	2,07	up
5936354	7186305	1341030	family with sequence similarity 38, member A	Fam38a	361430	1,51	up
5956434	7186305	1341020	family with sequence similarity 38, member A	Fam38a	361430	1,07	down
5982484	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,17	down
5983257	7186305	1341024	family with sequence similarity 38, member A	Fam38a	361430	1,93	up
5996057	7186305	1341027	family with sequence similarity 38, member A	Fam38a	361430	1,03	down
6026242	7186305	1341012	family with sequence similarity 38, member A	Fam38a	361430	1,20	down
6040124	7186305	1341031	family with sequence similarity 38, member A	Fam38a	361430	1,14	down
6113456	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,30	up
6155431	7186305	1341006	family with sequence similarity 38, member A	Fam38a	361430	1,18	up
6164727	7186305	1341023	family with sequence similarity 38, member A	Fam38a	361430	1,03	down
6224105	7186305	1341010	family with sequence similarity 38, member A	Fam38a	361430	1,35	up
6224494	7186305	1341032	family with sequence similarity 38, member A	Fam38a	361430	1,26	up
6254469	7186305	1341019	family with sequence similarity 38, member A	Fam38a	361430	1,87	up
6361095	7186305	1341022	family with sequence similarity 38, member A	Fam38a	361430	1,31	up
6366856	7186305	1341028	family with sequence similarity 38, member A	Fam38a	361430	2,01	up
6367621	7186305	1341001	family with sequence similarity 38, member A	Fam38a	361430	1,06	down
6388338	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,07	up
6402612	7186305	1341000	family with sequence similarity 38, member A	Fam38a	361430	1,26	down
6419363	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,07	down
6435571	7186305	1341033	family with sequence similarity 38, member A	Fam38a	361430	4,27	up
6442497	7186305	1341009	family with sequence similarity 38, member A	Fam38a	361430	1,57	down
6455989	7186305	1341011	family with sequence similarity 38, member A	Fam38a	361430	1,31	up
6535303	7186305	1341013	family with sequence similarity 38, member A	Fam38a	361430	1,11	up
6554457	7186305	1341004	family with sequence similarity 38, member A	Fam38a	361430	1,45	up

6592713	7186305	1341035	family with sequence similarity 38, member A	Fam38a	361430	1,33	up
6679579	7186305	1341008	family with sequence similarity 38, member A	Fam38a	361430	1,20	up
6727258	7186305	1341031	family with sequence similarity 38, member A	Fam38a	361430	1,26	down
6728670	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,13	up
6741557	7186305	1341016	family with sequence similarity 38, member A	Fam38a	361430	1,06	up
5635527	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,34	down
5784576	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,53	down
5827575	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,17	down
6018581	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,03	down
6292534	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,06	down
6557059	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,19	up
5773856	7106018	1142249	family with sequence similarity 5, member C	Fam5c	286901	1,02	down
5824598	7106018	1142242	family with sequence similarity 5, member C	Fam5c	286901	1,11	down
5891765	7106018	1142244	family with sequence similarity 5, member C	Fam5c	286901	1,22	down
5998037	7106018	1142243	family with sequence similarity 5, member C	Fam5c	286901	1,20	up
6245522	7106018	1142247	family with sequence similarity 5, member C	Fam5c	286901	1,11	down
6441361	7106018	1142246	family with sequence similarity 5, member C	Fam5c	286901	1,18	down
6455754	7106018	1142247	family with sequence similarity 5, member C	Fam5c	286901	1,16	up
6490439	7106018	1142249	family with sequence similarity 5, member C	Fam5c	286901	1,23	down
6500186	7106018	1142248	family with sequence similarity 5, member C	Fam5c	286901	1,03	up
6674223	7106018	1142243	family with sequence similarity 5, member C	Fam5c	286901	1,34	up
6732505	7106018	1142245	family with sequence similarity 5, member C	Fam5c	286901	2,03	down
5662574	7385134	1831971	family with sequence similarity 50, member A	FAM50A	293862	1,37	down
5709310	7385134	1831982	family with sequence similarity 50, member A	FAM50A	293862	1,11	up
5745800	7385134	1831977	family with sequence similarity 50, member A	FAM50A	293862	2,72	down
5953947	7385134	1831975	family with sequence similarity 50, member A	FAM50A	293862	1,21	down
5964334	7385134	1831978	family with sequence similarity 50, member A	FAM50A	293862	1,04	up
5968093	7385134	1831974	family with sequence similarity 50, member A	FAM50A	293862	1,15	up
6027369	7385134	1831972	family with sequence similarity 50, member A	FAM50A	293862	1,60	down
6059136	7385134	1831977	family with sequence similarity 50, member A	FAM50A	293862	1,20	up
6417346	7385134	1831973	family with sequence similarity 50, member A	FAM50A	293862	1,05	up
6423769	7385134	1831984	family with sequence similarity 50, member A	FAM50A	293862	1,27	down
6476457	7385134	1831984	family with sequence similarity 50, member A	FAM50A	293862	1,07	down
6506887	7385134	1831983	family with sequence similarity 50, member A	FAM50A	293862	1,30	down
6530920	7385134	1831979	family with sequence similarity 50, member A	FAM50A	293862	1,41	up
6681334	7385134	1831976	family with sequence similarity 50, member A	FAM50A	293862	1,08	down
6683772	7385134	1831980	family with sequence similarity 50, member A	FAM50A	293862	1,10	up
5661378	7180620	1326393	family with sequence similarity 65, member A	Fam65a	291974	1,14	down
5684971	7180620	1326394	family with sequence similarity 65, member A	Fam65a	291974	1,27	down
5738010	7180620	1326395	family with sequence similarity 65, member A	Fam65a	291974	1,06	down
5804200	7180620	1326394	family with sequence similarity 65, member A	Fam65a	291974	1,01	down
5836346	7180620	1326400	family with sequence similarity 65, member A	Fam65a	291974	1,13	up
5942808	7180620	1326401	family with sequence similarity 65, member A	Fam65a	291974	1,22	down
6033579	7180620	1326394	family with sequence similarity 65, member A	Fam65a	291974	1,30	down
6206806	7180620	1326404	family with sequence similarity 65, member A	Fam65a	291974	1,20	down
6226375	7180620	1326399	family with sequence similarity 65, member A	Fam65a	291974	1,07	down
6316791	7180620	1326392	family with sequence similarity 65, member A	Fam65a	291974	1,00	up
6356203	7180620	1326398	family with sequence similarity 65, member A	Fam65a	291974	1,31	up
6358852	7180620	1326404	family with sequence similarity 65, member A	Fam65a	291974	2,49	up
6405673	7180620	1326404	family with sequence similarity 65, member A	Fam65a	291974	1,03	down
6475696	7180620	1326397	family with sequence similarity 65, member A	Fam65a	291974	1,19	up
6544680	7180620	1326396	family with sequence similarity 65, member A	Fam65a	291974	1,46	up
6560926	7180620	1326394	family with sequence similarity 65, member A	Fam65a	291974	1,25	down
6578541	7180620	1326394	family with sequence similarity 65, member A	Fam65a	291974	1,11	up
6579998	7180620	1326402	family with sequence similarity 65, member A	Fam65a	291974	1,50	up
6675171	7180620	1326399	family with sequence similarity 65, member A	Fam65a	291974	1,39	down

5626213	7294264	1606853	family with sequence similarity 82, member A	Fam82a	313840	1,07	down
5677776	7294264	1606840	family with sequence similarity 82, member A	Fam82a	313840	1,03	down
5799173	7294264	1606860	family with sequence similarity 82, member A	Fam82a	313840	1,29	down
5896127	7294264	1606860	family with sequence similarity 82, member A	Fam82a	313840	1,43	down
5901976	7294264	1606858	family with sequence similarity 82, member A	Fam82a	313840	2,20	down
6002210	7294264	1606855	family with sequence similarity 82, member A	Fam82a	313840	1,14	up
6012057	7294264	1606848	family with sequence similarity 82, member A	Fam82a	313840	1,23	up
6026879	7294264	1606854	family with sequence similarity 82, member A	Fam82a	313840	1,63	up
6073827	7294264	1606835	family with sequence similarity 82, member A	Fam82a	313840	1,02	up
6110555	7294264	1606847	family with sequence similarity 82, member A	Fam82a	313840	1,13	down
6210645	7294264	1606860	family with sequence similarity 82, member A	Fam82a	313840	1,24	up
6269592	7294264	1606846	family with sequence similarity 82, member A	Fam82a	313840	1,38	down
6312368	7294264	1606855	family with sequence similarity 82, member A	Fam82a	313840	1,17	down
6326408	7294264	1606857	family with sequence similarity 82, member A	Fam82a	313840	1,46	down
5802722	7329075	1693379	family with sequence similarity 83, member H	Fam83h	362937	2,46	down
5902191	7329075	1693374	family with sequence similarity 83, member H	Fam83h	362937	1,29	up
5937256	7329075	1693376	family with sequence similarity 83, member H	Fam83h	362937	1,13	up
6152893	7329075	1693378	family with sequence similarity 83, member H	Fam83h	362937	1,17	up
6331258	7329075	1693375	family with sequence similarity 83, member H	Fam83h	362937	1,11	up
6486694	7329075	1693374	family with sequence similarity 83, member H	Fam83h	362937	1,08	up
5630601	7186443	1341270	Fanconi anemia, complementation group A	Fanca	361435	1,02	up
5698793	7186443	1341315	Fanconi anemia, complementation group A	Fanca	361435	1,12	down
5717841	7186443	1341268	Fanconi anemia, complementation group A	Fanca	361435	1,03	up
5737021	7186443	1341304	Fanconi anemia, complementation group A	Fanca	361435	1,28	down
5751674	7186443	1341275	Fanconi anemia, complementation group A	Fanca	361435	1,51	down
5770230	7186443	1341276	Fanconi anemia, complementation group A	Fanca	361435	1,61	down
5787128	7186443	1341279	Fanconi anemia, complementation group A	Fanca	361435	1,33	up
5799785	7186443	1341302	Fanconi anemia, complementation group A	Fanca	361435	1,19	down
5823398	7186443	1341274	Fanconi anemia, complementation group A	Fanca	361435	1,02	down
5849492	7186443	1341295	Fanconi anemia, complementation group A	Fanca	361435	1,14	up
5851028	7186443	1341313	Fanconi anemia, complementation group A	Fanca	361435	1,00	down
5882296	7186443	1341276	Fanconi anemia, complementation group A	Fanca	361435	1,07	up
5972464	7186443	1341303	Fanconi anemia, complementation group A	Fanca	361435	1,43	down
5985763	7186443	1341278	Fanconi anemia, complementation group A	Fanca	361435	1,00	down
6011116	7186443	1341298	Fanconi anemia, complementation group A	Fanca	361435	1,21	up
6021991	7186443	1341288	Fanconi anemia, complementation group A	Fanca	361435	1,30	down
6044000	7186443	1341308	Fanconi anemia, complementation group A	Fanca	361435	1,01	up
6063886	7186443	1341284	Fanconi anemia, complementation group A	Fanca	361435	1,01	up
6064289	7186443	1341285	Fanconi anemia, complementation group A	Fanca	361435	1,12	down
6102258	7186443	1341290	Fanconi anemia, complementation group A	Fanca	361435	2,09	up
6133991	7186443	1341283	Fanconi anemia, complementation group A	Fanca	361435	1,08	down
6202203	7186443	1341277	Fanconi anemia, complementation group A	Fanca	361435	1,28	down
6239861	7186443	1341282	Fanconi anemia, complementation group A	Fanca	361435	1,10	down
6260940	7186443	1341299	Fanconi anemia, complementation group A	Fanca	361435	1,50	down
6339541	7186443	1341273	Fanconi anemia, complementation group A	Fanca	361435	1,12	down
6346839	7186443	1341300	Fanconi anemia, complementation group A	Fanca	361435	1,60	up
6349613	7186443	1341306	Fanconi anemia, complementation group A	Fanca	361435	1,29	down
6366004	7186443	1341271	Fanconi anemia, complementation group A	Fanca	361435	1,33	down
6392368	7186443	1341269	Fanconi anemia, complementation group A	Fanca	361435	1,06	up
6447225	7186443	1341272	Fanconi anemia, complementation group A	Fanca	361435	1,07	up
6465228	7186443	1341290	Fanconi anemia, complementation group A	Fanca	361435	1,43	up
6496957	7186443	1341309	Fanconi anemia, complementation group A	Fanca	361435	1,30	down
6575253	7186443	1341312	Fanconi anemia, complementation group A	Fanca	361435	1,33	up
6590967	7186443	1341287	Fanconi anemia, complementation group A	Fanca	361435	1,82	down
6592061	7186443	1341307	Fanconi anemia, complementation group A	Fanca	361435	2,33	down
6621055	7186443	1341305	Fanconi anemia, complementation group A	Fanca	361435	1,02	up

6621210	7186443	1341292	Fanconi anemia, complementation group A	Fanca	361435	1,23	up
6647863	7186443	1341286	Fanconi anemia, complementation group A	Fanca	361435	1,13	down
6651042	7186443	1341278	Fanconi anemia, complementation group A	Fanca	361435	2,27	down
6671238	7186443	1341313	Fanconi anemia, complementation group A	Fanca	361435	1,70	up
6709719	7186443	1341289	Fanconi anemia, complementation group A	Fanca	361435	1,04	down
6715948	7186443	1341314	Fanconi anemia, complementation group A	Fanca	361435	1,45	up
5682969	7299527	1620601	farnesyltransferase, CAAX box, beta	Fntb	64511	1,26	up
5747992	7299527	1620593	farnesyltransferase, CAAX box, beta	Fntb	64511	1,50	down
5845013	7299527	1620596	farnesyltransferase, CAAX box, beta	Fntb	64511	1,53	up
5908773	7299527	1620597	farnesyltransferase, CAAX box, beta	Fntb	64511	1,02	down
5929049	7299527	1620592	farnesyltransferase, CAAX box, beta	Fntb	64511	1,01	down
5934084	7299527	1620600	farnesyltransferase, CAAX box, beta	Fntb	64511	1,06	up
5987774	7299527	1620594	farnesyltransferase, CAAX box, beta	Fntb	64511	2,37	up
6045607	7299527	1620599	farnesyltransferase, CAAX box, beta	Fntb	64511	1,34	down
6277294	7299527	1620595	farnesyltransferase, CAAX box, beta	Fntb	64511	1,32	down
6280649	7299527	1620598	farnesyltransferase, CAAX box, beta	Fntb	64511	1,11	down
6391140	7299527	1620603	farnesyltransferase, CAAX box, beta	Fntb	64511	1,02	up
6479694	7299527	1620604	farnesyltransferase, CAAX box, beta	Fntb	64511	1,39	down
6492956	7299527	1620602	farnesyltransferase, CAAX box, beta	Fntb	64511	1,14	up
5709847	7041442	989067	Fas (TNF receptor superfamily, member 6)	Fas	246097	3,10	up
5766843	7041442	989064	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,37	up
5830281	7041442	989063	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,17	down
5951208	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	2,69	down
6076806	7041442	989066	Fas (TNF receptor superfamily, member 6)	Fas	246097	2,36	down
6175052	7041442	989065	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,32	down
6178910	7041442	989068	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,20	up
6202358	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,71	down
6240655	7041442	989069	Fas (TNF receptor superfamily, member 6)	Fas	246097	2,19	down
6250592	7041442	989062	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,21	up
6300034	7041442	989068	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,16	up
6408797	7041442	989061	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,00	up
6574573	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,12	up
6742193	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,72	up
5650036	7355302	1758272	FAST kinase domains 2	Fastkd2	301463	2,69	up
5715143	7355302	1758266	FAST kinase domains 2	Fastkd2	301463	1,03	down
5940833	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,30	down
6068730	7355302	1758276	FAST kinase domains 2	Fastkd2	301463	1,13	up
6096647	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,09	up
6161488	7355302	1758274	FAST kinase domains 2	Fastkd2	301463	1,08	up
6197292	7355302	1758267	FAST kinase domains 2	Fastkd2	301463	1,10	up
6351768	7355302	1758275	FAST kinase domains 2	Fastkd2	301463	1,25	down
6373860	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,52	down
6391004	7355302	1758269	FAST kinase domains 2	Fastkd2	301463	1,16	up
6435081	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,55	down
6514477	7355302	1758269	FAST kinase domains 2	Fastkd2	301463	1,63	down
6547550	7355302	1758271	FAST kinase domains 2	Fastkd2	301463	1,07	up
6556268	7355302	1758270	FAST kinase domains 2	Fastkd2	301463	1,20	up
6643827	7355302	1758273	FAST kinase domains 2	Fastkd2	301463	1,51	down
6741960	7355302	1758268	FAST kinase domains 2	Fastkd2	301463	1,09	up
5714753	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,08	down
5750361	7183927	1335501	F-box and WD repeat domain containing 9	Fbxw9	288921	1,25	up
5762312	7183927	1335500	F-box and WD repeat domain containing 9	Fbxw9	288921	1,19	up
5862876	7183927	1335499	F-box and WD repeat domain containing 9	Fbxw9	288921	1,25	up
5905806	7183927	1335498	F-box and WD repeat domain containing 9	Fbxw9	288921	1,18	up
6039125	7183927	1335499	F-box and WD repeat domain containing 9	Fbxw9	288921	1,54	down
6082430	7183927	1335505	F-box and WD repeat domain containing 9	Fbxw9	288921	1,38	up

6132313	7183927	1335498	F-box and WD repeat domain containing 9	Fbxw9	288921	2,19	up
6162667	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,06	down
6176820	7183927	1335499	F-box and WD repeat domain containing 9	Fbxw9	288921	1,13	up
6237771	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,23	down
6267986	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,09	down
6495839	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,08	down
6619010	7183927	1335501	F-box and WD repeat domain containing 9	Fbxw9	288921	1,48	up
6667295	7183927	1335498	F-box and WD repeat domain containing 9	Fbxw9	288921	1,06	down
5702120	7159642	1274202	F-box only protein 18	Fbxo18	291293	1,04	down
5751402	7159642	1274215	F-box only protein 18	Fbxo18	291293	1,03	down
5777366	7159642	1274205	F-box only protein 18	Fbxo18	291293	1,58	up
5787879	7159642	1274212	F-box only protein 18	Fbxo18	291293	1,14	up
5853942	7159642	1274210	F-box only protein 18	Fbxo18	291293	1,33	down
5916541	7159642	1274217	F-box only protein 18	Fbxo18	291293	1,11	down
5918986	7159642	1274209	F-box only protein 18	Fbxo18	291293	1,33	down
5927480	7159642	1274206	F-box only protein 18	Fbxo18	291293	1,06	down
6003492	7159642	1274220	F-box only protein 18	Fbxo18	291293	1,32	up
6029410	7159642	1274204	F-box only protein 18	Fbxo18	291293	1,17	up
6037324	7159642	1274216	F-box only protein 18	Fbxo18	291293	1,02	down
6188336	7159642	1274219	F-box only protein 18	Fbxo18	291293	1,05	down
6240500	7159642	1274209	F-box only protein 18	Fbxo18	291293	1,04	up
6250965	7159642	1274221	F-box only protein 18	Fbxo18	291293	1,37	down
6252752	7159642	1274214	F-box only protein 18	Fbxo18	291293	1,16	down
6287029	7159642	1274211	F-box only protein 18	Fbxo18	291293	1,18	up
6325342	7159642	1274207	F-box only protein 18	Fbxo18	291293	1,05	down
6374732	7159642	1274221	F-box only protein 18	Fbxo18	291293	1,29	down
6376173	7159642	1274213	F-box only protein 18	Fbxo18	291293	1,32	up
6471742	7159642	1274217	F-box only protein 18	Fbxo18	291293	1,25	up
6544638	7159642	1274218	F-box only protein 18	Fbxo18	291293	1,01	down
6625329	7159642	1274198	F-box only protein 18	Fbxo18	291293	1,09	down
6635452	7159642	1274220	F-box only protein 18	Fbxo18	291293	1,25	up
6644079	7159642	1274203	F-box only protein 18	Fbxo18	291293	1,16	up
6731222	7159642	1274201	F-box only protein 18	Fbxo18	291293	1,00	up
5716106	7132790	1208232	F-box protein 16	Fbxo16	305970	1,54	up
5733378	7132790	1208237	F-box protein 16	Fbxo16	305970	1,34	up
5841681	7132790	1208231	F-box protein 16	Fbxo16	305970	1,26	up
5901369	7132790	1208235	F-box protein 16	Fbxo16	305970	1,11	up
5909002	7132790	1208237	F-box protein 16	Fbxo16	305970	1,15	down
6036784	7132790	1208233	F-box protein 16	Fbxo16	305970	2,89	down
6044909	7132790	1208236	F-box protein 16	Fbxo16	305970	1,35	up
6353986	7132790	1208230	F-box protein 16	Fbxo16	305970	1,20	up
6499768	7132790	1208231	F-box protein 16	Fbxo16	305970	1,06	down
6607310	7132790	1208234	F-box protein 16	Fbxo16	305970	1,52	up
6694228	7132790	1208234	F-box protein 16	Fbxo16	305970	1,03	down
6710499	7132790	1208234	F-box protein 16	Fbxo16	305970	1,12	down
5618422	7102708	1134310	F-box protein 21	Fbxo21	360818	1,74	up
5646560	7102708	1134304	F-box protein 21	Fbxo21	360818	1,15	down
5707727	7102708	1134322	F-box protein 21	Fbxo21	360818	1,70	up
5884052	7102708	1134312	F-box protein 21	Fbxo21	360818	1,36	up
5968091	7102708	1134318	F-box protein 21	Fbxo21	360818	1,07	up
5998686	7102708	1134305	F-box protein 21	Fbxo21	360818	1,00	up
6024880	7102708	1134304	F-box protein 21	Fbxo21	360818	1,06	down
6047440	7102708	1134322	F-box protein 21	Fbxo21	360818	1,07	down
6052289	7102708	1134311	F-box protein 21	Fbxo21	360818	1,14	down
6204802	7102708	1134315	F-box protein 21	Fbxo21	360818	1,11	down
6279842	7102708	1134321	F-box protein 21	Fbxo21	360818	1,28	down

6285918	7102708	1134314	F-box protein 21	Fbxo21	360818	1,23	up
6323697	7102708	1134320	F-box protein 21	Fbxo21	360818	1,13	up
6502145	7102708	1134308	F-box protein 21	Fbxo21	360818	1,20	down
6603211	7102708	1134307	F-box protein 21	Fbxo21	360818	1,05	down
5629636	7024951	948245	F-box protein 30	Fbxo30	308283	1,18	up
5967843	7024951	948244	F-box protein 30	Fbxo30	308283	2,57	down
6153402	7024951	948247	F-box protein 30	Fbxo30	308283	1,19	down
6635956	7024951	948246	F-box protein 30	Fbxo30	308283	1,22	up
5643441	7176409	1315681	F-box protein 38	Fbxo38	307390	1,15	down
5731153	7176409	1315685	F-box protein 38	Fbxo38	307390	1,11	down
5733765	7176409	1315672	F-box protein 38	Fbxo38	307390	1,37	down
5747230	7176409	1315693	F-box protein 38	Fbxo38	307390	2,11	up
5799231	7176409	1315678	F-box protein 38	Fbxo38	307390	1,02	down
5820820	7176409	1315687	F-box protein 38	Fbxo38	307390	1,17	down
5839133	7176409	1315670	F-box protein 38	Fbxo38	307390	1,03	down
5890411	7176409	1315682	F-box protein 38	Fbxo38	307390	1,02	up
5891516	7176409	1315668	F-box protein 38	Fbxo38	307390	1,53	up
5952592	7176409	1315690	F-box protein 38	Fbxo38	307390	1,19	up
6006804	7176409	1315674	F-box protein 38	Fbxo38	307390	1,04	down
6102822	7176409	1315686	F-box protein 38	Fbxo38	307390	1,13	up
6203039	7176409	1315688	F-box protein 38	Fbxo38	307390	1,06	down
6285085	7176409	1315684	F-box protein 38	Fbxo38	307390	1,02	down
6370146	7176409	1315691	F-box protein 38	Fbxo38	307390	1,55	down
6371581	7176409	1315680	F-box protein 38	Fbxo38	307390	1,36	up
6418362	7176409	1315668	F-box protein 38	Fbxo38	307390	1,07	down
6465880	7176409	1315679	F-box protein 38	Fbxo38	307390	1,24	down
6469431	7176409	1315689	F-box protein 38	Fbxo38	307390	1,34	up
6488043	7176409	1315671	F-box protein 38	Fbxo38	307390	1,30	up
6551879	7176409	1315669	F-box protein 38	Fbxo38	307390	1,37	up
6553004	7176409	1315683	F-box protein 38	Fbxo38	307390	1,03	down
6567821	7176409	1315673	F-box protein 38	Fbxo38	307390	1,13	down
6575680	7176409	1315677	F-box protein 38	Fbxo38	307390	1,05	down
6715225	7176409	1315677	F-box protein 38	Fbxo38	307390	1,08	up
5661948	7293049	1603886	F-box protein 44	Fbxo44	500587	1,14	up
6078752	7293049	1603885	F-box protein 44	Fbxo44	500587	1,13	up
6273335	7293049	1603885	F-box protein 44	Fbxo44	500587	1,04	down
6273668	7293049	1603887	F-box protein 44	Fbxo44	500587	1,00	up
6362661	7293049	1603883	F-box protein 44	Fbxo44	500587	1,05	down
6452946	7293049	1603878	F-box protein 44	Fbxo44	500587	1,11	down
6453393	7293049	1603884	F-box protein 44	Fbxo44	500587	1,25	down
6504983	7293049	1603878	F-box protein 44	Fbxo44	500587	2,48	down
5689589	7323057	1678760	F-box protein 7	Fbxo7	366854	2,02	down
5690124	7323057	1678752	F-box protein 7	Fbxo7	366854	1,16	up
5791139	7323057	1678758	F-box protein 7	Fbxo7	366854	1,16	up
5864210	7323057	1678752	F-box protein 7	Fbxo7	366854	1,20	down
5906818	7323057	1678752	F-box protein 7	Fbxo7	366854	1,22	down
5980187	7323057	1678759	F-box protein 7	Fbxo7	366854	1,24	up
5999359	7323057	1678752	F-box protein 7	Fbxo7	366854	1,43	down
6008588	7323057	1678757	F-box protein 7	Fbxo7	366854	1,18	up
6052354	7323057	1678752	F-box protein 7	Fbxo7	366854	1,22	up
6075152	7323057	1678754	F-box protein 7	Fbxo7	366854	1,25	up
6196362	7323057	1678751	F-box protein 7	Fbxo7	366854	1,36	down
6229576	7323057	1678753	F-box protein 7	Fbxo7	366854	1,04	up
6467229	7323057	1678756	F-box protein 7	Fbxo7	366854	1,03	down
6604576	7323057	1678751	F-box protein 7	Fbxo7	366854	1,89	down
6742076	7323057	1678755	F-box protein 7	Fbxo7	366854	1,02	down

5751257	7050860	1011511	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,10	up
5834186	7050860	1011510	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,61	up
5850064	7050860	1011510	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	2,36	down
5923580	7050860	1011515	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,04	down
6005477	7050860	1011516	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,32	up
6107451	7050860	1011510	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,84	up
6220167	7050860	1011514	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,10	down
6293105	7050860	1011514	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,06	down
6320207	7050860	1011513	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,25	up
6449855	7050860	1011510	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,10	down
6527931	7050860	1011516	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,14	down
6689641	7050860	1011512	Fc fragment of IgG, receptor, transporter, alpha	Fcgrt	29558	1,00	up
6494158	7195903	1365335	Fc receptor-like 1	Fcrl1	680665	1,10	down
5698743	7300314	1622458	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	1,09	up
5711616	7300314	1622462	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	2,14	down
5934767	7300314	1622455	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	1,85	up
5994361	7300314	1622457	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	1,32	up
6126805	7300314	1622460	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	1,24	down
6283911	7300314	1622461	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	1,66	up
6556202	7300314	1622456	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	1,42	down
6729872	7300314	1622459	feline leukemia virus subgroup C cellular receptor family, member 2	Flvcr2	314323	1,18	up
6492331	7142693	1232474	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)	Farp1	306183	1,69	up
5650407	7034777	973311	FGF receptor activating protein 1	Frag1	116675	1,04	down
5742316	7034777	973306	FGF receptor activating protein 1	Frag1	116675	1,01	up
5810211	7034777	973304	FGF receptor activating protein 1	Frag1	116675	1,48	up
5868058	7034777	973304	FGF receptor activating protein 1	Frag1	116675	1,17	up
5939105	7034777	973309	FGF receptor activating protein 1	Frag1	116675	1,22	down
6167819	7034777	973305	FGF receptor activating protein 1	Frag1	116675	2,37	down
6202503	7034777	973308	FGF receptor activating protein 1	Frag1	116675	1,46	up
6443275	7034777	973307	FGF receptor activating protein 1	Frag1	116675	1,26	up
6648945	7034777	973310	FGF receptor activating protein 1	Frag1	116675	1,26	up
5675470	7277379	1565979	FGGY carbohydrate kinase domain containing	Fggy	298250	1,20	down
5810507	7277379	1565972	FGGY carbohydrate kinase domain containing	Fggy	298250	1,00	up
5824217	7277379	1565975	FGGY carbohydrate kinase domain containing	Fggy	298250	2,03	down
5827991	7277379	1565971	FGGY carbohydrate kinase domain containing	Fggy	298250	1,29	up
5901849	7277379	1565981	FGGY carbohydrate kinase domain containing	Fggy	298250	1,14	up
5961908	7277379	1565973	FGGY carbohydrate kinase domain containing	Fggy	298250	1,09	up
6015225	7277379	1565976	FGGY carbohydrate kinase domain containing	Fggy	298250	1,25	up
6063838	7277379	1565982	FGGY carbohydrate kinase domain containing	Fggy	298250	1,05	up
6104101	7277379	1565972	FGGY carbohydrate kinase domain containing	Fggy	298250	1,31	up
6115849	7277379	1565977	FGGY carbohydrate kinase domain containing	Fggy	298250	1,10	up
6265857	7277379	1565974	FGGY carbohydrate kinase domain containing	Fggy	298250	1,02	down
6284050	7277379	1565978	FGGY carbohydrate kinase domain containing	Fggy	298250	1,16	down
6313595	7277379	1565969	FGGY carbohydrate kinase domain containing	Fggy	298250	1,37	down
6469359	7277379	1565980	FGGY carbohydrate kinase domain containing	Fggy	298250	1,01	down
6539393	7277379	1565970	FGGY carbohydrate kinase domain containing	Fggy	298250	1,25	up
6572684	7277379	1565983	FGGY carbohydrate kinase domain containing	Fggy	298250	1,27	down
5633975	7244261	1483880	fibrillin 1	Fbn1	83727	1,09	down
5644984	7244261	1483888	fibrillin 1	Fbn1	83727	1,05	up
5669979	7244261	1483909	fibrillin 1	Fbn1	83727	1,20	down
5672154	7244261	1483895	fibrillin 1	Fbn1	83727	1,02	up
5684634	7244261	1483936	fibrillin 1	Fbn1	83727	1,07	up
5706076	7244261	1483933	fibrillin 1	Fbn1	83727	1,35	down
5712054	7244261	1483928	fibrillin 1	Fbn1	83727	1,15	up
5716124	7244261	1483914	fibrillin 1	Fbn1	83727	1,14	down
5752492	7244261	1483927	fibrillin 1	Fbn1	83727	1,17	up

5756873	7244261	1483907	fibrillin 1	Fbn1	83727	1,19	up
5757979	7244261	1483897	fibrillin 1	Fbn1	83727	1,22	up
5769700	7244261	1483886	fibrillin 1	Fbn1	83727	1,46	down
5790881	7244261	1483892	fibrillin 1	Fbn1	83727	1,04	up
5793894	7244261	1483938	fibrillin 1	Fbn1	83727	1,18	down
5797145	7244261	1483934	fibrillin 1	Fbn1	83727	1,65	down
5840254	7244261	1483900	fibrillin 1	Fbn1	83727	1,03	down
5841623	7244261	1483890	fibrillin 1	Fbn1	83727	1,17	up
5874657	7244261	1483903	fibrillin 1	Fbn1	83727	1,40	up
5886164	7244261	1483919	fibrillin 1	Fbn1	83727	1,13	down
5888605	7244261	1483894	fibrillin 1	Fbn1	83727	1,25	up
5904024	7244261	1483926	fibrillin 1	Fbn1	83727	1,12	down
5951568	7244261	1483882	fibrillin 1	Fbn1	83727	1,14	up
5967156	7244261	1483918	fibrillin 1	Fbn1	83727	1,07	down
5967433	7244261	1483937	fibrillin 1	Fbn1	83727	1,04	up
5981852	7244261	1483877	fibrillin 1	Fbn1	83727	2,14	up
5989519	7244261	1483916	fibrillin 1	Fbn1	83727	1,27	up
6005053	7244261	1483940	fibrillin 1	Fbn1	83727	1,49	up
6014586	7244261	1483879	fibrillin 1	Fbn1	83727	1,21	up
6061950	7244261	1483922	fibrillin 1	Fbn1	83727	1,14	up
6066496	7244261	1483887	fibrillin 1	Fbn1	83727	1,15	down
6111166	7244261	1483941	fibrillin 1	Fbn1	83727	1,47	up
6173880	7244261	1483893	fibrillin 1	Fbn1	83727	1,41	up
6204635	7244261	1483920	fibrillin 1	Fbn1	83727	1,10	up
6229623	7244261	1483912	fibrillin 1	Fbn1	83727	1,34	down
6244031	7244261	1483931	fibrillin 1	Fbn1	83727	2,02	up
6246793	7244261	1483913	fibrillin 1	Fbn1	83727	1,03	down
6248859	7244261	1483908	fibrillin 1	Fbn1	83727	1,38	up
6279090	7244261	1483921	fibrillin 1	Fbn1	83727	1,01	down
6306939	7244261	1483902	fibrillin 1	Fbn1	83727	1,02	up
6383990	7244261	1483906	fibrillin 1	Fbn1	83727	1,00	up
6387731	7244261	1483878	fibrillin 1	Fbn1	83727	1,05	down
6388820	7244261	1483889	fibrillin 1	Fbn1	83727	1,23	up
6396248	7244261	1483899	fibrillin 1	Fbn1	83727	1,08	up
6396979	7244261	1483896	fibrillin 1	Fbn1	83727	1,03	up
6446403	7244261	1483883	fibrillin 1	Fbn1	83727	1,01	up
6462571	7244261	1483935	fibrillin 1	Fbn1	83727	1,02	up
6475813	7244261	1483885	fibrillin 1	Fbn1	83727	1,21	down
6480976	7244261	1483904	fibrillin 1	Fbn1	83727	1,43	down
6484344	7244261	1483924	fibrillin 1	Fbn1	83727	1,23	down
6544685	7244261	1483910	fibrillin 1	Fbn1	83727	1,13	down
6560124	7244261	1483936	fibrillin 1	Fbn1	83727	1,24	up
6580712	7244261	1483891	fibrillin 1	Fbn1	83727	1,13	up
6593078	7244261	1483884	fibrillin 1	Fbn1	83727	1,31	down
6599821	7244261	1483901	fibrillin 1	Fbn1	83727	1,25	down
6629572	7244261	1483923	fibrillin 1	Fbn1	83727	1,28	up
6636476	7244261	1483879	fibrillin 1	Fbn1	83727	1,03	down
6649081	7244261	1483917	fibrillin 1	Fbn1	83727	1,98	up
6670803	7244261	1483929	fibrillin 1	Fbn1	83727	1,07	up
6671966	7244261	1483936	fibrillin 1	Fbn1	83727	1,38	down
6680521	7244261	1483939	fibrillin 1	Fbn1	83727	1,00	up
6706405	7244261	1483905	fibrillin 1	Fbn1	83727	1,77	down
6708953	7244261	1483930	fibrillin 1	Fbn1	83727	1,22	up
6711486	7244261	1483925	fibrillin 1	Fbn1	83727	1,05	down
6728155	7244261	1483915	fibrillin 1	Fbn1	83727	1,03	up
6728660	7244261	1483932	fibrillin 1	Fbn1	83727	1,25	up

6736320	7244261	1483911	fibrillin 1	Fbn1	83727	1,68	up
6746450	7244261	1483881	fibrillin 1	Fbn1	83727	1,01	down
5680549	7195514	1364485	fibrinogen gamma chain	Fgg	24367	1,08	up
5724161	7195514	1364484	fibrinogen gamma chain	Fgg	24367	1,05	down
5752346	7195514	1364490	fibrinogen gamma chain	Fgg	24367	1,08	down
5752864	7195514	1364487	fibrinogen gamma chain	Fgg	24367	1,07	down
5854113	7195514	1364484	fibrinogen gamma chain	Fgg	24367	1,19	down
6102456	7195514	1364491	fibrinogen gamma chain	Fgg	24367	2,43	down
6130173	7195514	1364488	fibrinogen gamma chain	Fgg	24367	1,40	up
6447096	7195514	1364482	fibrinogen gamma chain	Fgg	24367	1,03	down
6651331	7195514	1364489	fibrinogen gamma chain	Fgg	24367	1,37	up
6677531	7195514	1364486	fibrinogen gamma chain	Fgg	24367	1,16	down
6736930	7195514	1364483	fibrinogen gamma chain	Fgg	24367	1,00	up
5638761	7146015	1240680	fibroblast growth factor 20	Fgf20	66017	1,25	down
5767166	7146015	1240678	fibroblast growth factor 20	Fgf20	66017	1,34	down
5957574	7146015	1240678	fibroblast growth factor 20	Fgf20	66017	1,66	up
5974810	7146015	1240679	fibroblast growth factor 20	Fgf20	66017	1,19	down
6470893	7146015	1240678	fibroblast growth factor 20	Fgf20	66017	2,14	up
5647881	7127377	1195008	fibroblast growth factor receptor 3	Fgfr3	84489	1,37	up
5657575	7127377	1195004	fibroblast growth factor receptor 3	Fgfr3	84489	1,01	down
5806972	7127377	1195006	fibroblast growth factor receptor 3	Fgfr3	84489	1,08	up
5816307	7127377	1195019	fibroblast growth factor receptor 3	Fgfr3	84489	1,44	down
5915576	7127377	1195014	fibroblast growth factor receptor 3	Fgfr3	84489	2,90	down
5994185	7127377	1195009	fibroblast growth factor receptor 3	Fgfr3	84489	1,48	up
6004282	7127377	1195013	fibroblast growth factor receptor 3	Fgfr3	84489	1,13	up
6028796	7127377	1195003	fibroblast growth factor receptor 3	Fgfr3	84489	1,48	up
6217557	7127377	1195011	fibroblast growth factor receptor 3	Fgfr3	84489	1,00	up
6228498	7127377	1195018	fibroblast growth factor receptor 3	Fgfr3	84489	1,10	up
6259110	7127377	1195017	fibroblast growth factor receptor 3	Fgfr3	84489	1,32	down
6396009	7127377	1195012	fibroblast growth factor receptor 3	Fgfr3	84489	1,37	up
6406118	7127377	1195015	fibroblast growth factor receptor 3	Fgfr3	84489	1,00	up
6409494	7127377	1195010	fibroblast growth factor receptor 3	Fgfr3	84489	1,18	up
6482448	7127377	1195016	fibroblast growth factor receptor 3	Fgfr3	84489	1,61	down
6492669	7127377	1195007	fibroblast growth factor receptor 3	Fgfr3	84489	1,63	down
6714671	7127377	1195005	fibroblast growth factor receptor 3	Fgfr3	84489	1,61	down
6745569	7127377	1195011	fibroblast growth factor receptor 3	Fgfr3	84489	1,39	up
5626556	7363541	1778043	fibronectin 1	Fn1	25661	1,10	up
5631376	7363541	1778016	fibronectin 1	Fn1	25661	1,06	up
5635547	7363541	1778029	fibronectin 1	Fn1	25661	1,12	down
5652686	7363541	1778000	fibronectin 1	Fn1	25661	1,01	up
5654017	7363541	1778011	fibronectin 1	Fn1	25661	1,33	up
5665659	7363541	1778023	fibronectin 1	Fn1	25661	1,06	up
5678244	7363541	1778024	fibronectin 1	Fn1	25661	1,08	up
5679508	7363541	1778019	fibronectin 1	Fn1	25661	1,02	down
5686173	7363541	1778033	fibronectin 1	Fn1	25661	1,06	down
5687085	7363541	1778022	fibronectin 1	Fn1	25661	1,17	up
5690501	7363541	1778004	fibronectin 1	Fn1	25661	1,09	down
5726812	7363541	1778041	fibronectin 1	Fn1	25661	1,30	up
5741347	7363541	1778000	fibronectin 1	Fn1	25661	1,60	up
5742121	7363541	1778040	fibronectin 1	Fn1	25661	1,06	up
5765379	7363541	1778006	fibronectin 1	Fn1	25661	1,11	down
5770566	7363541	1778026	fibronectin 1	Fn1	25661	1,05	up
5775595	7363541	1778034	fibronectin 1	Fn1	25661	1,18	up
5856947	7363541	1778012	fibronectin 1	Fn1	25661	1,10	up
5899407	7363541	1778020	fibronectin 1	Fn1	25661	1,10	up
5910280	7363541	1778000	fibronectin 1	Fn1	25661	1,86	up

5958877	7363541	1778014	fibronectin 1	Fn1	25661	1,05	up
5963523	7363541	1778046	fibronectin 1	Fn1	25661	3,89	up
5988126	7363541	1778046	fibronectin 1	Fn1	25661	1,94	up
6003922	7363541	1778003	fibronectin 1	Fn1	25661	1,37	up
6063858	7363541	1778025	fibronectin 1	Fn1	25661	1,04	down
6142821	7363541	1778007	fibronectin 1	Fn1	25661	1,46	up
6162019	7363541	1778021	fibronectin 1	Fn1	25661	1,09	down
6205584	7363541	1778007	fibronectin 1	Fn1	25661	1,29	down
6208238	7363541	1778037	fibronectin 1	Fn1	25661	1,23	up
6234629	7363541	1778000	fibronectin 1	Fn1	25661	1,48	up
6242113	7363541	1778039	fibronectin 1	Fn1	25661	1,06	down
6248074	7363541	1778042	fibronectin 1	Fn1	25661	1,14	up
6266820	7363541	1778030	fibronectin 1	Fn1	25661	1,37	down
6294499	7363541	1778015	fibronectin 1	Fn1	25661	1,03	up
6317570	7363541	1778001	fibronectin 1	Fn1	25661	1,16	down
6351661	7363541	1778027	fibronectin 1	Fn1	25661	1,26	down
6385002	7363541	1778005	fibronectin 1	Fn1	25661	1,09	up
6418498	7363541	1778002	fibronectin 1	Fn1	25661	1,25	up
6432577	7363541	1778038	fibronectin 1	Fn1	25661	1,65	down
6445237	7363541	1778036	fibronectin 1	Fn1	25661	1,15	up
6457680	7363541	1778021	fibronectin 1	Fn1	25661	1,28	down
6474218	7363541	1778035	fibronectin 1	Fn1	25661	1,22	down
6491411	7363541	1778044	fibronectin 1	Fn1	25661	1,30	down
6492125	7363541	1778017	fibronectin 1	Fn1	25661	1,21	up
6504433	7363541	1778010	fibronectin 1	Fn1	25661	1,05	up
6514715	7363541	1778013	fibronectin 1	Fn1	25661	1,13	down
6525434	7363541	1778031	fibronectin 1	Fn1	25661	1,04	up
6567035	7363541	1778046	fibronectin 1	Fn1	25661	2,25	up
6593795	7363541	1778032	fibronectin 1	Fn1	25661	1,22	down
6635785	7363541	1778007	fibronectin 1	Fn1	25661	1,07	down
6659969	7363541	1778045	fibronectin 1	Fn1	25661	1,24	down
6665710	7363541	1778018	fibronectin 1	Fn1	25661	1,13	up
6673753	7363541	1778028	fibronectin 1	Fn1	25661	1,17	down
6681721	7363541	1778009	fibronectin 1	Fn1	25661	1,06	down
6721400	7363541	1778008	fibronectin 1	Fn1	25661	1,19	down
5987696	7256191	1512877	fibulin 2	Fbln2	282583	1,00	down
6034174	7256191	1512872	fibulin 2	Fbln2	282583	1,46	up
6297311	7256191	1512878	fibulin 2	Fbln2	282583	1,17	up
6372869	7256191	1512871	fibulin 2	Fbln2	282583	1,20	up
6407510	7256191	1512873	fibulin 2	Fbln2	282583	1,24	up
6668106	7256191	1512874	fibulin 2	Fbln2	282583	1,09	down
6692175	7256191	1512871	fibulin 2	Fbln2	282583	1,24	down
5719856	7236875	1465432	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,02	up
5729907	7236875	1465436	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,35	up
5740607	7236875	1465442	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	2,08	down
5751126	7236875	1465438	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,58	up
5751800	7236875	1465437	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,02	up
5761182	7236875	1465434	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,07	down
6416867	7236875	1465441	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,04	down
6446721	7236875	1465442	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,01	down
6505583	7236875	1465440	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,22	down
6519571	7236875	1465439	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,78	up
6600019	7236875	1465435	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,04	up
6631156	7236875	1465433	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,01	down
6709011	7236875	1465442	ficolin (collagen/fibrinogen domain containing) 1	Fcn1	83517	1,08	up
5639927	7252051	1502506	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,08	up

5652906	7252051	1502474	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
5653626	7252051	1502496	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,04	up
5659687	7252051	1502484	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,40	up
5669123	7252051	1502528	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,06	down
5686290	7252051	1502499	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,14	up
5705808	7252051	1502524	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,03	down
5725844	7252051	1502500	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,47	up
5731616	7252051	1502474	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,29	up
5750947	7252051	1502487	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,43	down
5755176	7252051	1502474	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
5803699	7252051	1502518	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,32	down
5811158	7252051	1502521	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,24	down
5818282	7252051	1502526	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,54	down
5827097	7252051	1502509	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,33	up
5847685	7252051	1502519	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,17	up
5862581	7252051	1502523	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,01	up
5911348	7252051	1502479	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,29	down
5918226	7252051	1502486	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,11	up
5919300	7252051	1502503	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,13	down
5937012	7252051	1502494	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,03	up
5959677	7252051	1502492	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,23	down
5977021	7252051	1502501	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,10	up
5978763	7252051	1502526	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,03	up
6032380	7252051	1502512	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,00	up
6035255	7252051	1502490	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,19	up
6048419	7252051	1502522	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,00	up
6049370	7252051	1502498	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,05	down
6060039	7252051	1502514	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,64	down
6068274	7252051	1502517	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,28	down
6093543	7252051	1502485	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,25	down
6188258	7252051	1502516	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,18	down
6215379	7252051	1502507	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,05	down
6227064	7252051	1502511	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,21	up
6241748	7252051	1502493	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,01	up
6245407	7252051	1502525	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,03	up
6285118	7252051	1502515	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,21	down
6297867	7252051	1502497	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,18	up
6307649	7252051	1502483	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,18	up
6320851	7252051	1502510	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,53	down
6338741	7252051	1502489	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,05	up
6339023	7252051	1502504	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,00	down
6348220	7252051	1502520	filamin C, gamma (actin binding protein 280)	Flnc	362332	2,21	down
6501361	7252051	1502513	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
6502177	7252051	1502491	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,08	up
6509271	7252051	1502528	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,60	up
6536249	7252051	1502505	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,00	up
6537177	7252051	1502482	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,04	up
6583490	7252051	1502502	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,01	up
6616191	7252051	1502529	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,17	down
6616664	7252051	1502495	filamin C, gamma (actin binding protein 280)	Flnc	362332	2,23	down
6722717	7252051	1502508	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,42	up
5630382	7378637	1817799	filamin, alpha	Flna	293860	1,61	up
5644122	7378637	1817827	filamin, alpha	Flna	293860	1,23	up
5647607	7378637	1817815	filamin, alpha	Flna	293860	1,37	up
5665149	7378637	1817788	filamin, alpha	Flna	293860	1,60	down
5710497	7378637	1817803	filamin, alpha	Flna	293860	1,23	up

5725495	7378637	1817830	filamin, alpha	Flna	293860	1,11	down
5739429	7378637	1817831	filamin, alpha	Flna	293860	1,01	down
5754807	7378637	1817828	filamin, alpha	Flna	293860	1,19	down
5773696	7378637	1817831	filamin, alpha	Flna	293860	1,11	up
5786797	7378637	1817825	filamin, alpha	Flna	293860	1,88	up
5804125	7378637	1817829	filamin, alpha	Flna	293860	1,15	up
5807256	7378637	1817817	filamin, alpha	Flna	293860	1,01	up
5844462	7378637	1817788	filamin, alpha	Flna	293860	2,09	down
5851971	7378637	1817789	filamin, alpha	Flna	293860	1,17	up
5855140	7378637	1817793	filamin, alpha	Flna	293860	1,13	up
5872327	7378637	1817805	filamin, alpha	Flna	293860	1,21	down
5876638	7378637	1817790	filamin, alpha	Flna	293860	1,37	down
5908366	7378637	1817801	filamin, alpha	Flna	293860	1,21	up
5914868	7378637	1817819	filamin, alpha	Flna	293860	1,45	down
5940254	7378637	1817800	filamin, alpha	Flna	293860	1,17	down
5975553	7378637	1817808	filamin, alpha	Flna	293860	1,32	up
5994893	7378637	1817809	filamin, alpha	Flna	293860	1,18	down
6067453	7378637	1817792	filamin, alpha	Flna	293860	1,13	down
6082876	7378637	1817829	filamin, alpha	Flna	293860	1,16	up
6103365	7378637	1817818	filamin, alpha	Flna	293860	1,19	up
6121619	7378637	1817806	filamin, alpha	Flna	293860	1,05	down
6205371	7378637	1817797	filamin, alpha	Flna	293860	1,03	up
6219369	7378637	1817833	filamin, alpha	Flna	293860	1,47	down
6290852	7378637	1817824	filamin, alpha	Flna	293860	1,33	up
6321917	7378637	1817822	filamin, alpha	Flna	293860	1,33	up
6323115	7378637	1817832	filamin, alpha	Flna	293860	1,21	up
6379422	7378637	1817802	filamin, alpha	Flna	293860	1,07	down
6396459	7378637	1817829	filamin, alpha	Flna	293860	1,17	up
6405766	7378637	1817794	filamin, alpha	Flna	293860	1,08	up
6424942	7378637	1817804	filamin, alpha	Flna	293860	1,42	down
6424989	7378637	1817788	filamin, alpha	Flna	293860	1,08	up
6436876	7378637	1817823	filamin, alpha	Flna	293860	1,01	down
6437573	7378637	1817810	filamin, alpha	Flna	293860	1,21	down
6454051	7378637	1817832	filamin, alpha	Flna	293860	1,10	down
6467254	7378637	1817812	filamin, alpha	Flna	293860	1,24	up
6469871	7378637	1817821	filamin, alpha	Flna	293860	1,07	down
6478433	7378637	1817791	filamin, alpha	Flna	293860	1,07	up
6499286	7378637	1817807	filamin, alpha	Flna	293860	1,30	down
6510816	7378637	1817813	filamin, alpha	Flna	293860	1,13	up
6516709	7378637	1817811	filamin, alpha	Flna	293860	1,44	up
6519702	7378637	1817820	filamin, alpha	Flna	293860	1,38	up
6584249	7378637	1817796	filamin, alpha	Flna	293860	1,02	down
6616832	7378637	1817826	filamin, alpha	Flna	293860	1,02	up
6645908	7378637	1817795	filamin, alpha	Flna	293860	1,09	up
6659978	7378637	1817814	filamin, alpha	Flna	293860	1,00	down
6677062	7378637	1817798	filamin, alpha	Flna	293860	1,66	up
5624722	7136977	1218834	filamin, beta	Flnb	306204	1,03	down
5654155	7136977	1218815	filamin, beta	Flnb	306204	1,27	up
5673601	7136977	1218816	filamin, beta	Flnb	306204	1,12	up
5691617	7136977	1218844	filamin, beta	Flnb	306204	1,10	up
5696533	7136977	1218821	filamin, beta	Flnb	306204	1,06	down
5716934	7136977	1218800	filamin, beta	Flnb	306204	1,16	down
5719019	7136977	1218848	filamin, beta	Flnb	306204	1,01	down
5724629	7136977	1218828	filamin, beta	Flnb	306204	1,12	up
5760892	7136977	1218822	filamin, beta	Flnb	306204	1,08	up
5768146	7136977	1218842	filamin, beta	Flnb	306204	1,18	down

5770400	7136977	1218803	filamin, beta	Flnb	306204	1,29	down
5799295	7136977	1218854	filamin, beta	Flnb	306204	1,27	down
5817088	7136977	1218829	filamin, beta	Flnb	306204	1,06	up
5826315	7136977	1218813	filamin, beta	Flnb	306204	1,07	up
5873922	7136977	1218857	filamin, beta	Flnb	306204	1,15	up
5887673	7136977	1218817	filamin, beta	Flnb	306204	1,15	up
5930687	7136977	1218852	filamin, beta	Flnb	306204	1,02	down
5970358	7136977	1218837	filamin, beta	Flnb	306204	1,20	up
5982429	7136977	1218810	filamin, beta	Flnb	306204	1,23	down
5999746	7136977	1218799	filamin, beta	Flnb	306204	1,04	down
6086606	7136977	1218831	filamin, beta	Flnb	306204	1,10	down
6090685	7136977	1218850	filamin, beta	Flnb	306204	1,11	down
6147184	7136977	1218807	filamin, beta	Flnb	306204	1,02	up
6179740	7136977	1218811	filamin, beta	Flnb	306204	1,06	up
6196378	7136977	1218805	filamin, beta	Flnb	306204	1,15	down
6200359	7136977	1218814	filamin, beta	Flnb	306204	1,11	down
6222048	7136977	1218840	filamin, beta	Flnb	306204	1,04	down
6268713	7136977	1218818	filamin, beta	Flnb	306204	1,17	up
6286288	7136977	1218841	filamin, beta	Flnb	306204	1,06	down
6317795	7136977	1218839	filamin, beta	Flnb	306204	1,33	down
6332430	7136977	1218835	filamin, beta	Flnb	306204	1,02	up
6374897	7136977	1218823	filamin, beta	Flnb	306204	1,13	up
6375370	7136977	1218804	filamin, beta	Flnb	306204	1,14	down
6415368	7136977	1218820	filamin, beta	Flnb	306204	1,21	up
6424673	7136977	1218851	filamin, beta	Flnb	306204	1,04	up
6444703	7136977	1218838	filamin, beta	Flnb	306204	1,01	up
6448703	7136977	1218830	filamin, beta	Flnb	306204	1,07	down
6451466	7136977	1218862	filamin, beta	Flnb	306204	1,15	up
6473339	7136977	1218806	filamin, beta	Flnb	306204	1,19	down
6474316	7136977	1218799	filamin, beta	Flnb	306204	1,16	down
6492892	7136977	1218836	filamin, beta	Flnb	306204	1,05	up
6493188	7136977	1218862	filamin, beta	Flnb	306204	1,07	up
6511825	7136977	1218862	filamin, beta	Flnb	306204	1,69	down
6543426	7136977	1218824	filamin, beta	Flnb	306204	1,03	down
6606359	7136977	1218818	filamin, beta	Flnb	306204	1,20	up
6622485	7136977	1218801	filamin, beta	Flnb	306204	1,39	down
6633990	7136977	1218806	filamin, beta	Flnb	306204	1,27	down
6638343	7136977	1218843	filamin, beta	Flnb	306204	1,07	down
6681511	7136977	1218855	filamin, beta	Flnb	306204	1,02	up
6690465	7136977	1218832	filamin, beta	Flnb	306204	1,05	up
5740856	7072116	1061164	FK506 binding protein 10	Fkbp10	360627	1,07	down
5764420	7072116	1061161	FK506 binding protein 10	Fkbp10	360627	1,70	up
5783884	7072116	1061158	FK506 binding protein 10	Fkbp10	360627	1,13	up
5816091	7072116	1061157	FK506 binding protein 10	Fkbp10	360627	1,52	down
5844404	7072116	1061165	FK506 binding protein 10	Fkbp10	360627	1,04	down
5917481	7072116	1061156	FK506 binding protein 10	Fkbp10	360627	1,51	up
6088634	7072116	1061162	FK506 binding protein 10	Fkbp10	360627	2,07	up
6441644	7072116	1061159	FK506 binding protein 10	Fkbp10	360627	1,38	down
6460926	7072116	1061155	FK506 binding protein 10	Fkbp10	360627	2,26	up
6662614	7072116	1061160	FK506 binding protein 10	Fkbp10	360627	1,03	up
6667836	7072116	1061163	FK506 binding protein 10	Fkbp10	360627	1,37	down
5623998	7067174	1049073	fms-related tyrosine kinase 4	Flt4	114110	1,05	up
5781880	7067174	1049091	fms-related tyrosine kinase 4	Flt4	114110	1,37	up
5791570	7067174	1049074	fms-related tyrosine kinase 4	Flt4	114110	1,25	down
5803850	7067174	1049071	fms-related tyrosine kinase 4	Flt4	114110	1,20	up
5847340	7067174	1049068	fms-related tyrosine kinase 4	Flt4	114110	1,19	up

5855591	7067174	1049094	fms-related tyrosine kinase 4	Flt4	114110	1,45	up
5864515	7067174	1049090	fms-related tyrosine kinase 4	Flt4	114110	1,04	down
5896735	7067174	1049092	fms-related tyrosine kinase 4	Flt4	114110	1,43	up
5907717	7067174	1049087	fms-related tyrosine kinase 4	Flt4	114110	1,05	up
5928772	7067174	1049080	fms-related tyrosine kinase 4	Flt4	114110	1,20	down
5975610	7067174	1049075	fms-related tyrosine kinase 4	Flt4	114110	2,21	up
5998307	7067174	1049096	fms-related tyrosine kinase 4	Flt4	114110	1,18	down
6029958	7067174	1049086	fms-related tyrosine kinase 4	Flt4	114110	1,04	down
6088605	7067174	1049070	fms-related tyrosine kinase 4	Flt4	114110	1,12	down
6128164	7067174	1049069	fms-related tyrosine kinase 4	Flt4	114110	1,29	down
6151720	7067174	1049072	fms-related tyrosine kinase 4	Flt4	114110	1,17	up
6193504	7067174	1049091	fms-related tyrosine kinase 4	Flt4	114110	1,93	up
6220744	7067174	1049097	fms-related tyrosine kinase 4	Flt4	114110	1,02	up
6281595	7067174	1049076	fms-related tyrosine kinase 4	Flt4	114110	1,34	down
6308272	7067174	1049083	fms-related tyrosine kinase 4	Flt4	114110	1,04	up
6333233	7067174	1049078	fms-related tyrosine kinase 4	Flt4	114110	1,09	up
6424812	7067174	1049082	fms-related tyrosine kinase 4	Flt4	114110	1,41	up
6425188	7067174	1049085	fms-related tyrosine kinase 4	Flt4	114110	1,09	down
6444210	7067174	1049093	fms-related tyrosine kinase 4	Flt4	114110	1,20	up
6448758	7067174	1049084	fms-related tyrosine kinase 4	Flt4	114110	1,35	down
6453620	7067174	1049077	fms-related tyrosine kinase 4	Flt4	114110	1,18	up
6498330	7067174	1049095	fms-related tyrosine kinase 4	Flt4	114110	1,77	down
6521482	7067174	1049089	fms-related tyrosine kinase 4	Flt4	114110	1,07	up
6563441	7067174	1049079	fms-related tyrosine kinase 4	Flt4	114110	1,08	down
6573137	7067174	1049081	fms-related tyrosine kinase 4	Flt4	114110	1,08	down
6634146	7067174	1049071	fms-related tyrosine kinase 4	Flt4	114110	1,39	up
6679013	7067174	1049067	fms-related tyrosine kinase 4	Flt4	114110	1,07	down
6738972	7067174	1049088	fms-related tyrosine kinase 4	Flt4	114110	1,01	up
5635127	7093632	1111758	follistatin-like 1	Fstl1	79210	1,02	up
5798732	7093632	1111750	follistatin-like 1	Fstl1	79210	1,18	up
5813958	7093632	1111751	follistatin-like 1	Fstl1	79210	1,15	down
5932714	7093632	1111757	follistatin-like 1	Fstl1	79210	1,35	up
6120723	7093632	1111750	follistatin-like 1	Fstl1	79210	1,15	down
6125918	7093632	1111759	follistatin-like 1	Fstl1	79210	1,49	down
6384252	7093632	1111753	follistatin-like 1	Fstl1	79210	1,01	up
6470117	7093632	1111755	follistatin-like 1	Fstl1	79210	2,10	up
6483176	7093632	1111754	follistatin-like 1	Fstl1	79210	1,21	down
6610974	7093632	1111760	follistatin-like 1	Fstl1	79210	1,35	up
6656135	7093632	1111756	follistatin-like 1	Fstl1	79210	1,02	down
6681017	7093632	1111752	follistatin-like 1	Fstl1	79210	2,79	down
5661902	7258776	1519649	forkhead box M1	Foxm1	58921	1,01	down
5674544	7258776	1519653	forkhead box M1	Foxm1	58921	1,11	down
6016344	7258776	1519652	forkhead box M1	Foxm1	58921	1,61	up
6092598	7258776	1519647	forkhead box M1	Foxm1	58921	1,12	up
6111916	7258776	1519650	forkhead box M1	Foxm1	58921	1,05	up
6195313	7258776	1519654	forkhead box M1	Foxm1	58921	1,17	up
6331122	7258776	1519648	forkhead box M1	Foxm1	58921	1,26	up
6344213	7258776	1519655	forkhead box M1	Foxm1	58921	1,15	up
6472338	7258776	1519648	forkhead box M1	Foxm1	58921	1,10	down
6627504	7258776	1519648	forkhead box M1	Foxm1	58921	1,33	down
6716158	7258776	1519651	forkhead box M1	Foxm1	58921	1,11	down
6732288	7258776	1519648	forkhead box M1	Foxm1	58921	2,00	down
5709862	7224035	1432400	forkhead box O3	Foxo3	294515	1,43	down
5722965	7224035	1432400	forkhead box O3	Foxo3	294515	1,21	up
5725624	7224035	1432402	forkhead box O3	Foxo3	294515	1,02	up
6138702	7224035	1432383	forkhead box O3	Foxo3	294515	1,06	down

6254892	7224035	1432400	forkhead box O3	Foxo3	294515	1,05	up
6301401	7224035	1432386	forkhead box O3	Foxo3	294515	1,41	up
6464203	7224035	1432386	forkhead box O3	Foxo3	294515	1,34	up
5653675	7267802	1541774	forkhead box P1	Foxp1	297480	1,12	down
5844360	7267802	1541763	forkhead box P1	Foxp1	297480	1,31	up
5921580	7267802	1541734	forkhead box P1	Foxp1	297480	1,18	up
5999619	7267802	1541745	forkhead box P1	Foxp1	297480	1,01	down
6050900	7267802	1541817	forkhead box P1	Foxp1	297480	1,15	down
6176912	7267802	1541758	forkhead box P1	Foxp1	297480	1,15	up
6211212	7267802	1541734	forkhead box P1	Foxp1	297480	1,94	down
6316307	7267802	1541754	forkhead box P1	Foxp1	297480	1,02	up
6406262	7267802	1541738	forkhead box P1	Foxp1	297480	1,44	down
6419157	7267802	1541743	forkhead box P1	Foxp1	297480	1,33	down
6466224	7267802	1541754	forkhead box P1	Foxp1	297480	1,36	down
6475705	7267802	1541769	forkhead box P1	Foxp1	297480	1,10	down
6540853	7267802	1541780	forkhead box P1	Foxp1	297480	1,14	down
6561658	7267802	1541744	forkhead box P1	Foxp1	297480	1,12	down
6645491	7267802	1541778	forkhead box P1	Foxp1	297480	1,21	down
6660813	7267802	1541796	forkhead box P1	Foxp1	297480	1,74	down
6688169	7267802	1541741	forkhead box P1	Foxp1	297480	1,25	up
6690082	7267802	1541774	forkhead box P1	Foxp1	297480	1,28	up
6723306	7267802	1541746	forkhead box P1	Foxp1	297480	1,08	up
5658450	7380019	1820809	forkhead box P3	Foxp3	317382	1,19	down
5729988	7380019	1820815	forkhead box P3	Foxp3	317382	1,08	down
5835238	7380019	1820820	forkhead box P3	Foxp3	317382	1,09	down
5839590	7380019	1820814	forkhead box P3	Foxp3	317382	1,00	up
5887438	7380019	1820826	forkhead box P3	Foxp3	317382	1,20	up
5906129	7380019	1820813	forkhead box P3	Foxp3	317382	1,36	up
5916909	7380019	1820812	forkhead box P3	Foxp3	317382	1,19	up
5968313	7380019	1820822	forkhead box P3	Foxp3	317382	1,18	down
6047016	7380019	1820816	forkhead box P3	Foxp3	317382	1,37	down
6078733	7380019	1820809	forkhead box P3	Foxp3	317382	1,13	up
6198710	7380019	1820809	forkhead box P3	Foxp3	317382	1,10	down
6391595	7380019	1820826	forkhead box P3	Foxp3	317382	1,33	down
6396262	7380019	1820818	forkhead box P3	Foxp3	317382	1,28	up
6565770	7380019	1820817	forkhead box P3	Foxp3	317382	2,10	down
6622656	7380019	1820810	forkhead box P3	Foxp3	317382	1,02	up
6687329	7380019	1820808	forkhead box P3	Foxp3	317382	1,92	up
5656282	7108062	1147137	formin 2	Fmn2	289262	1,13	up
5672134	7108062	1147137	formin 2	Fmn2	289262	1,65	up
5686906	7108062	1147137	formin 2	Fmn2	289262	1,09	down
5688896	7108062	1147155	formin 2	Fmn2	289262	1,64	up
5752699	7108062	1147189	formin 2	Fmn2	289262	1,26	down
5774599	7108062	1147155	formin 2	Fmn2	289262	3,34	up
5787120	7108062	1147137	formin 2	Fmn2	289262	1,28	down
5801136	7108062	1147137	formin 2	Fmn2	289262	1,81	up
5827031	7108062	1147174	formin 2	Fmn2	289262	1,19	up
5862848	7108062	1147183	formin 2	Fmn2	289262	1,24	down
5875650	7108062	1147155	formin 2	Fmn2	289262	1,08	down
5895951	7108062	1147170	formin 2	Fmn2	289262	1,55	down
5900076	7108062	1147155	formin 2	Fmn2	289262	1,34	up
5971543	7108062	1147172	formin 2	Fmn2	289262	1,08	down
6011538	7108062	1147157	formin 2	Fmn2	289262	1,01	down
6069220	7108062	1147154	formin 2	Fmn2	289262	1,08	up
6133282	7108062	1147154	formin 2	Fmn2	289262	1,43	up
6152852	7108062	1147150	formin 2	Fmn2	289262	1,05	down

6200080	7108062	1147147	formin 2	Fmn2	289262	1,18	down
6248771	7108062	1147154	formin 2	Fmn2	289262	1,03	up
6251292	7108062	1147165	formin 2	Fmn2	289262	1,05	down
6274076	7108062	1147137	formin 2	Fmn2	289262	1,26	up
6291820	7108062	1147171	formin 2	Fmn2	289262	1,11	down
6367099	7108062	1147137	formin 2	Fmn2	289262	1,23	down
6445569	7108062	1147142	formin 2	Fmn2	289262	1,37	down
6529559	7108062	1147164	formin 2	Fmn2	289262	1,78	up
6681213	7108062	1147191	formin 2	Fmn2	289262	1,35	down
6736960	7108062	1147173	formin 2	Fmn2	289262	1,04	down
6737347	7108062	1147179	formin 2	Fmn2	289262	1,24	down
5795538	7237530	1467001	formin binding protein 1	Fnbp1	192348	1,49	up
5862181	7237530	1467002	formin binding protein 1	Fnbp1	192348	2,03	down
5958101	7237530	1466998	formin binding protein 1	Fnbp1	192348	1,13	down
5961555	7237530	1466991	formin binding protein 1	Fnbp1	192348	1,48	up
5998770	7237530	1466997	formin binding protein 1	Fnbp1	192348	1,63	up
6015696	7237530	1466990	formin binding protein 1	Fnbp1	192348	1,04	down
6062141	7237530	1466994	formin binding protein 1	Fnbp1	192348	1,13	down
6092659	7237530	1466995	formin binding protein 1	Fnbp1	192348	2,26	down
6200044	7237530	1466992	formin binding protein 1	Fnbp1	192348	1,45	down
6357971	7237530	1466999	formin binding protein 1	Fnbp1	192348	2,37	up
6373220	7237530	1466993	formin binding protein 1	Fnbp1	192348	1,08	down
6600507	7237530	1466995	formin binding protein 1	Fnbp1	192348	1,27	down
6615871	7237530	1466996	formin binding protein 1	Fnbp1	192348	1,19	down
6633485	7237530	1467000	formin binding protein 1	Fnbp1	192348	1,06	up
6651313	7237530	1467003	formin binding protein 1	Fnbp1	192348	1,07	up
5687061	7229885	1447140	formin binding protein 4	Fnbp4	311183	1,38	up
5822090	7229885	1447139	formin binding protein 4	Fnbp4	311183	1,27	up
5835632	7229885	1447142	formin binding protein 4	Fnbp4	311183	1,15	up
6001346	7229885	1447141	formin binding protein 4	Fnbp4	311183	1,65	up
6070538	7229885	1447142	formin binding protein 4	Fnbp4	311183	2,39	down
6170192	7229885	1447141	formin binding protein 4	Fnbp4	311183	1,05	up
6393243	7229885	1447141	formin binding protein 4	Fnbp4	311183	1,03	down
6628034	7229885	1447141	formin binding protein 4	Fnbp4	311183	1,21	up
6635429	7229885	1447142	formin binding protein 4	Fnbp4	311183	1,50	down
5762510	7072552	1062119	formin-like 1	Fmnl1	287746	1,13	up
5809567	7072552	1062124	formin-like 1	Fmnl1	287746	1,23	down
5909293	7072552	1062144	formin-like 1	Fmnl1	287746	1,17	up
5909581	7072552	1062137	formin-like 1	Fmnl1	287746	1,29	down
5919709	7072552	1062137	formin-like 1	Fmnl1	287746	1,11	down
5985435	7072552	1062134	formin-like 1	Fmnl1	287746	1,23	down
5986662	7072552	1062143	formin-like 1	Fmnl1	287746	1,00	up
5993092	7072552	1062123	formin-like 1	Fmnl1	287746	1,38	up
6040376	7072552	1062138	formin-like 1	Fmnl1	287746	1,36	down
6063882	7072552	1062133	formin-like 1	Fmnl1	287746	1,20	up
6099238	7072552	1062121	formin-like 1	Fmnl1	287746	1,12	up
6141189	7072552	1062144	formin-like 1	Fmnl1	287746	1,10	down
6149204	7072552	1062140	formin-like 1	Fmnl1	287746	1,11	down
6181673	7072552	1062126	formin-like 1	Fmnl1	287746	1,08	down
6206201	7072552	1062133	formin-like 1	Fmnl1	287746	1,00	up
6216717	7072552	1062134	formin-like 1	Fmnl1	287746	1,15	up
6218487	7072552	1062141	formin-like 1	Fmnl1	287746	1,07	up
6265463	7072552	1062122	formin-like 1	Fmnl1	287746	1,11	up
6268643	7072552	1062142	formin-like 1	Fmnl1	287746	1,18	down
6291641	7072552	1062144	formin-like 1	Fmnl1	287746	1,43	up
6434900	7072552	1062132	formin-like 1	Fmnl1	287746	1,48	down

6518816	7072552	1062135	formin-like 1	Fmnl1	287746	1,48	up
6554047	7072552	1062136	formin-like 1	Fmnl1	287746	1,19	down
6658828	7072552	1062139	formin-like 1	Fmnl1	287746	1,93	up
6694825	7072552	1062128	formin-like 1	Fmnl1	287746	1,62	down
6700771	7072552	1062131	formin-like 1	Fmnl1	287746	3,58	up
6708438	7072552	1062133	formin-like 1	Fmnl1	287746	1,01	down
6716759	7072552	1062122	formin-like 1	Fmnl1	287746	1,07	up
5642318	7094130	1112869	forty-two-three domain containing 1	Fytd1	360726	1,10	down
5671400	7094130	1112874	forty-two-three domain containing 1	Fytd1	360726	1,26	up
5675417	7094130	1112876	forty-two-three domain containing 1	Fytd1	360726	1,01	up
5811246	7094130	1112872	forty-two-three domain containing 1	Fytd1	360726	1,23	down
5844133	7094130	1112872	forty-two-three domain containing 1	Fytd1	360726	1,00	up
5933675	7094130	1112871	forty-two-three domain containing 1	Fytd1	360726	1,06	down
6055036	7094130	1112870	forty-two-three domain containing 1	Fytd1	360726	1,06	down
6132657	7094130	1112879	forty-two-three domain containing 1	Fytd1	360726	1,04	up
6164043	7094130	1112875	forty-two-three domain containing 1	Fytd1	360726	1,07	up
6271979	7094130	1112877	forty-two-three domain containing 1	Fytd1	360726	1,46	up
6611957	7094130	1112880	forty-two-three domain containing 1	Fytd1	360726	2,54	down
5705849	7039170	983431	fos-like antigen 1	Fosl1	25445	1,02	down
6032279	7039170	983431	fos-like antigen 1	Fosl1	25445	1,44	down
6079701	7039170	983434	fos-like antigen 1	Fosl1	25445	1,49	down
6253648	7039170	983434	fos-like antigen 1	Fosl1	25445	1,03	up
6296092	7039170	983433	fos-like antigen 1	Fosl1	25445	1,05	down
6508220	7039170	983435	fos-like antigen 1	Fosl1	25445	1,35	up
6657406	7039170	983434	fos-like antigen 1	Fosl1	25445	2,15	up
6661828	7039170	983434	fos-like antigen 1	Fosl1	25445	4,20	up
6734738	7039170	983432	fos-like antigen 1	Fosl1	25445	1,31	up
6031133	7373633	1805695	Ftsj homolog 1 (E. coli)	Ftsj1	363450	1,05	up
5656211	7280588	1574144	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,06	up
5828024	7280588	1574148	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,22	up
5906839	7280588	1574145	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,05	down
5991528	7280588	1574151	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,16	down
6016254	7280588	1574144	fucosidase, alpha-L- 1, tissue	Fuca1	24375	2,19	up
6033582	7280588	1574147	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,27	down
6149753	7280588	1574152	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,13	up
6183854	7280588	1574149	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,15	down
6632337	7280588	1574146	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,27	up
6717916	7280588	1574150	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,10	down
5679089	7275208	1560486	fukutin	Fktn	362520	1,78	down
5750610	7275208	1560482	fukutin	Fktn	362520	1,23	up
5888041	7275208	1560486	fukutin	Fktn	362520	1,56	down
5921645	7275208	1560481	fukutin	Fktn	362520	1,12	up
6108968	7275208	1560488	fukutin	Fktn	362520	1,17	down
6225396	7275208	1560485	fukutin	Fktn	362520	1,17	down
6233255	7275208	1560477	fukutin	Fktn	362520	1,43	up
6279971	7275208	1560487	fukutin	Fktn	362520	1,07	up
6458660	7275208	1560494	fukutin	Fktn	362520	1,04	down
6503576	7275208	1560495	fukutin	Fktn	362520	1,05	up
6516356	7275208	1560489	fukutin	Fktn	362520	1,01	down
6538269	7275208	1560494	fukutin	Fktn	362520	1,13	down
6542994	7275208	1560495	fukutin	Fktn	362520	1,16	down
6567207	7275208	1560478	fukutin	Fktn	362520	2,35	up
6620265	7275208	1560483	fukutin	Fktn	362520	1,25	down
6658080	7275208	1560481	fukutin	Fktn	362520	1,10	up
5732927	7268847	1544536	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,06	up
5735516	7268847	1544531	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,37	up

5820839	7268847	1544535	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	2,03	down
5870183	7268847	1544533	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	2,13	up
5876184	7268847	1544533	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	1,19	down
6099813	7268847	1544532	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	1,32	up
6104900	7268847	1544530	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	1,00	down
6157414	7268847	1544535	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	1,63	down
6312149	7268847	1544536	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	1,31	up
6425049	7268847	1544534	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	1,03	down
6526264	7268847	1544535	FXYD domain-containing ion transport regulator 4	Fxyd4	64190	1,04	down
5624408	7217321	1416037	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,11	down
5644734	7217321	1416040	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,20	down
5717846	7217321	1416030	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,12	down
5726955	7217321	1416038	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,63	down
5766672	7217321	1416033	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,25	up
5781330	7217321	1416042	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,08	down
5902901	7217321	1416034	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,42	up
5964197	7217321	1416035	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,41	down
5970616	7217321	1416041	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,07	up
6147318	7217321	1416027	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,19	down
6193110	7217321	1416039	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	2,43	down
6258182	7217321	1416026	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,54	up
6347867	7217321	1416025	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,02	down
6358971	7217321	1416032	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,28	up
6411528	7217321	1416026	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,10	down
6483978	7217321	1416036	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,63	down
6668470	7217321	1416041	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,70	up
6670619	7217321	1416029	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	2,02	up
6717658	7217321	1416031	FYVE, RhoGEF and PH domain containing 2	Fgd2	309653	1,23	down
5638393	7188685	1346313	G elongation factor, mitochondrial 2	Gfm2	294672	1,26	up
5654302	7188685	1346308	G elongation factor, mitochondrial 2	Gfm2	294672	1,16	up
5683137	7188685	1346319	G elongation factor, mitochondrial 2	Gfm2	294672	1,13	down
5765245	7188685	1346311	G elongation factor, mitochondrial 2	Gfm2	294672	1,26	down
5772814	7188685	1346318	G elongation factor, mitochondrial 2	Gfm2	294672	1,28	up
5800638	7188685	1346321	G elongation factor, mitochondrial 2	Gfm2	294672	1,02	up
5829345	7188685	1346327	G elongation factor, mitochondrial 2	Gfm2	294672	1,68	down
6021656	7188685	1346324	G elongation factor, mitochondrial 2	Gfm2	294672	1,24	down
6062412	7188685	1346320	G elongation factor, mitochondrial 2	Gfm2	294672	1,02	down
6175152	7188685	1346314	G elongation factor, mitochondrial 2	Gfm2	294672	1,11	down
6206977	7188685	1346305	G elongation factor, mitochondrial 2	Gfm2	294672	1,54	up
6227605	7188685	1346326	G elongation factor, mitochondrial 2	Gfm2	294672	1,17	down
6304955	7188685	1346306	G elongation factor, mitochondrial 2	Gfm2	294672	1,07	up
6314795	7188685	1346312	G elongation factor, mitochondrial 2	Gfm2	294672	1,14	up
6319871	7188685	1346327	G elongation factor, mitochondrial 2	Gfm2	294672	1,26	down
6322562	7188685	1346323	G elongation factor, mitochondrial 2	Gfm2	294672	1,10	up
6370427	7188685	1346310	G elongation factor, mitochondrial 2	Gfm2	294672	1,18	down
6377541	7188685	1346307	G elongation factor, mitochondrial 2	Gfm2	294672	1,04	down
6632173	7188685	1346331	G elongation factor, mitochondrial 2	Gfm2	294672	1,66	down
6658477	7188685	1346316	G elongation factor, mitochondrial 2	Gfm2	294672	1,13	down
6686633	7188685	1346332	G elongation factor, mitochondrial 2	Gfm2	294672	1,12	down
6737629	7188685	1346332	G elongation factor, mitochondrial 2	Gfm2	294672	1,17	down
5776477	7196024	1365589	G patch domain containing 4	Gpatch4	295228	1,24	down
6012329	7196024	1365589	G patch domain containing 4	Gpatch4	295228	1,28	down
6041260	7196024	1365591	G patch domain containing 4	Gpatch4	295228	1,96	up
6132478	7196024	1365593	G patch domain containing 4	Gpatch4	295228	2,31	up
6147675	7196024	1365595	G patch domain containing 4	Gpatch4	295228	1,77	down
6386597	7196024	1365596	G patch domain containing 4	Gpatch4	295228	1,04	up

6449118	7196024	1365594	G patch domain containing 4	Gpatch4	295228	1,45	down
6630351	7196024	1365592	G patch domain containing 4	Gpatch4	295228	1,10	up
6683254	7196024	1365590	G patch domain containing 4	Gpatch4	295228	1,57	up
6710486	7196024	1365595	G patch domain containing 4	Gpatch4	295228	1,10	down
6724827	7196024	1365595	G patch domain containing 4	Gpatch4	295228	1,02	down
5643706	7371643	1800649	G protein-coupled receptor 108	Gpr108	316136	1,15	down
5691044	7371643	1800642	G protein-coupled receptor 108	Gpr108	316136	1,06	up
5769136	7371643	1800642	G protein-coupled receptor 108	Gpr108	316136	1,03	up
5785942	7371643	1800650	G protein-coupled receptor 108	Gpr108	316136	1,18	up
5792921	7371643	1800656	G protein-coupled receptor 108	Gpr108	316136	1,02	down
5813374	7371643	1800649	G protein-coupled receptor 108	Gpr108	316136	1,00	up
5902228	7371643	1800643	G protein-coupled receptor 108	Gpr108	316136	1,56	down
5963266	7371643	1800652	G protein-coupled receptor 108	Gpr108	316136	1,04	down
5964648	7371643	1800646	G protein-coupled receptor 108	Gpr108	316136	1,23	down
5994949	7371643	1800648	G protein-coupled receptor 108	Gpr108	316136	1,45	up
6200235	7371643	1800653	G protein-coupled receptor 108	Gpr108	316136	1,03	up
6331556	7371643	1800654	G protein-coupled receptor 108	Gpr108	316136	1,05	down
6343077	7371643	1800651	G protein-coupled receptor 108	Gpr108	316136	1,13	up
6372586	7371643	1800652	G protein-coupled receptor 108	Gpr108	316136	1,06	up
6535802	7371643	1800655	G protein-coupled receptor 108	Gpr108	316136	1,08	down
6561488	7371643	1800644	G protein-coupled receptor 108	Gpr108	316136	1,13	down
6698217	7371643	1800645	G protein-coupled receptor 108	Gpr108	316136	1,11	up
6703535	7371643	1800657	G protein-coupled receptor 108	Gpr108	316136	1,02	up
5722262	7384075	1829480	G protein-coupled receptor 119	Gpr119	302813	1,39	down
5786660	7384075	1829479	G protein-coupled receptor 119	Gpr119	302813	1,33	up
6281684	7384075	1829478	G protein-coupled receptor 119	Gpr119	302813	3,10	up
6481972	7384075	1829477	G protein-coupled receptor 119	Gpr119	302813	2,06	down
6495018	7082098	1084112	G protein-coupled receptor 179	Gpr179	287657	1,33	down
5759981	7122319	1183071	G protein-coupled receptor 75	Gpr75	498434	1,25	up
5789011	7122319	1183071	G protein-coupled receptor 75	Gpr75	498434	1,52	up
5942443	7122319	1183071	G protein-coupled receptor 75	Gpr75	498434	1,25	down
6164228	7122319	1183071	G protein-coupled receptor 75	Gpr75	498434	1,17	down
6611858	7122319	1183071	G protein-coupled receptor 75	Gpr75	498434	1,03	up
6617106	7122319	1183071	G protein-coupled receptor 75	Gpr75	498434	1,16	down
6737925	7122319	1183072	G protein-coupled receptor 75	Gpr75	498434	2,12	down
5760078	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,78	up
5774378	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,19	down
5786036	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,27	up
5822737	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	2,03	up
5886208	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,34	down
6205883	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,67	up
6280710	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,06	up
6373413	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,00	up
6402424	7385253	1832225	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,38	up
6425736	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,48	up
6482018	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,22	down
6674559	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,21	down
6269601	7155624	1264727	G protein-regulated inducer of neurite outgrowth 1	Gprin1	364676	1,25	down
5653747	7220647	1424510	G7c protein	G7c	309611	1,37	down
5693123	7220647	1424507	G7c protein	G7c	309611	2,07	up
5706438	7220647	1424502	G7c protein	G7c	309611	1,89	down
5723169	7220647	1424512	G7c protein	G7c	309611	1,23	up
5733625	7220647	1424508	G7c protein	G7c	309611	1,12	up
5774969	7220647	1424515	G7c protein	G7c	309611	1,13	down
5814685	7220647	1424511	G7c protein	G7c	309611	1,13	up
5871203	7220647	1424519	G7c protein	G7c	309611	1,99	up

5912579	7220647	1424505	G7c protein	G7c	309611	1,21	up
5957186	7220647	1424518	G7c protein	G7c	309611	2,15	up
5990004	7220647	1424513	G7c protein	G7c	309611	1,13	down
6096030	7220647	1424504	G7c protein	G7c	309611	1,14	down
6184732	7220647	1424504	G7c protein	G7c	309611	1,03	down
6371090	7220647	1424503	G7c protein	G7c	309611	1,21	down
6408879	7220647	1424516	G7c protein	G7c	309611	1,05	up
6451060	7220647	1424503	G7c protein	G7c	309611	1,01	up
6568013	7220647	1424517	G7c protein	G7c	309611	1,30	down
6679495	7220647	1424514	G7c protein	G7c	309611	1,06	down
6695331	7220647	1424506	G7c protein	G7c	309611	1,16	up
6741725	7220647	1424509	G7c protein	G7c	309611	1,12	up
5693122	7244378	1484400	GA binding protein transcription factor, beta subunit 1-like	Gabpb11	364738	1,25	down
5742061	7244378	1484410	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,17	down
5777150	7244378	1484413	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,19	down
5803675	7244378	1484396	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,13	down
5861355	7244378	1484412	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,09	up
6589589	7244378	1484411	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,09	up
6611387	7244378	1484412	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,34	up
6711314	7244378	1484405	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,94	up
6739451	7244378	1484409	GA binding protein transcription factor, beta subunit 1-like /// GA repeat binding jGabpb11 /// Gabpb1	364738 /// 499883	364738 /// 499883	1,15	up
5676676	7244378	1484416	GA repeat binding protein, beta 1	Gabpb1	499883	1,24	down
5991467	7244378	1484396	GA repeat binding protein, beta 1	Gabpb1	499883	2,10	down
5673695	7274318	1558302	galactose-1-phosphate uridylyltransferase	Galt	298003	1,12	down
5908974	7274318	1558297	galactose-1-phosphate uridylyltransferase	Galt	298003	1,10	down
5940966	7274318	1558304	galactose-1-phosphate uridylyltransferase	Galt	298003	1,06	up
6087838	7274318	1558301	galactose-1-phosphate uridylyltransferase	Galt	298003	1,02	up
6088285	7274318	1558298	galactose-1-phosphate uridylyltransferase	Galt	298003	1,13	down
6289000	7274318	1558294	galactose-1-phosphate uridylyltransferase	Galt	298003	1,19	up
6395842	7274318	1558294	galactose-1-phosphate uridylyltransferase	Galt	298003	1,26	down
6416830	7274318	1558303	galactose-1-phosphate uridylyltransferase	Galt	298003	1,18	down
6506021	7274318	1558300	galactose-1-phosphate uridylyltransferase	Galt	298003	2,62	up
6550991	7274318	1558295	galactose-1-phosphate uridylyltransferase	Galt	298003	1,09	down
6553684	7274318	1558296	galactose-1-phosphate uridylyltransferase	Galt	298003	1,38	up
6688154	7274318	1558299	galactose-1-phosphate uridylyltransferase	Galt	298003	1,63	up
6725906	7274318	1558304	galactose-1-phosphate uridylyltransferase	Galt	298003	1,01	down
5700151	7341002	1722545	galactosidase, beta 1	Glb1	316033	1,52	down
5755127	7341002	1722561	galactosidase, beta 1	Glb1	316033	1,37	down
5756538	7341002	1722539	galactosidase, beta 1	Glb1	316033	2,09	down
5793819	7341002	1722561	galactosidase, beta 1	Glb1	316033	1,88	down
5829336	7341002	1722538	galactosidase, beta 1	Glb1	316033	1,03	down
5846373	7341002	1722543	galactosidase, beta 1	Glb1	316033	1,58	down
5907261	7341002	1722550	galactosidase, beta 1	Glb1	316033	1,56	down
5964907	7341002	1722553	galactosidase, beta 1	Glb1	316033	2,00	down
6025629	7341002	1722551	galactosidase, beta 1	Glb1	316033	1,80	down
6045846	7341002	1722530	galactosidase, beta 1	Glb1	316033	1,23	up
6051756	7341002	1722540	galactosidase, beta 1	Glb1	316033	1,37	down
6060718	7341002	1722537	galactosidase, beta 1	Glb1	316033	1,31	down
6092617	7341002	1722561	galactosidase, beta 1	Glb1	316033	1,72	up
6256956	7341002	1722541	galactosidase, beta 1	Glb1	316033	1,75	down
6297843	7341002	1722530	galactosidase, beta 1	Glb1	316033	1,17	up
6489721	7341002	1722554	galactosidase, beta 1	Glb1	316033	1,68	down
6670820	7341002	1722555	galactosidase, beta 1	Glb1	316033	2,15	down
6687603	7341002	1722546	galactosidase, beta 1	Glb1	316033	1,32	down
6717300	7341002	1722544	galactosidase, beta 1	Glb1	316033	1,78	down
5633044	7363922	1778869	galactosidase, beta 1-like	Glb11	301525	1,34	down

5751956	7363922	1778859	galactosidase, beta 1-like	Glb11	301525	1,68	down
5783964	7363922	1778856	galactosidase, beta 1-like	Glb11	301525	1,38	down
5817659	7363922	1778867	galactosidase, beta 1-like	Glb11	301525	1,21	down
6077121	7363922	1778868	galactosidase, beta 1-like	Glb11	301525	1,15	down
6102427	7363922	1778864	galactosidase, beta 1-like	Glb11	301525	1,19	down
6160003	7363922	1778863	galactosidase, beta 1-like	Glb11	301525	1,03	up
6219722	7363922	1778866	galactosidase, beta 1-like	Glb11	301525	1,09	down
6231005	7363922	1778865	galactosidase, beta 1-like	Glb11	301525	1,01	down
6289873	7363922	1778870	galactosidase, beta 1-like	Glb11	301525	1,20	down
6334102	7363922	1778860	galactosidase, beta 1-like	Glb11	301525	1,04	down
6396655	7363922	1778858	galactosidase, beta 1-like	Glb11	301525	1,04	up
6462365	7363922	1778871	galactosidase, beta 1-like	Glb11	301525	1,22	up
6518282	7363922	1778867	galactosidase, beta 1-like	Glb11	301525	1,53	up
6584530	7363922	1778868	galactosidase, beta 1-like	Glb11	301525	1,02	down
6631597	7363922	1778857	galactosidase, beta 1-like	Glb11	301525	1,58	down
6680994	7363922	1778861	galactosidase, beta 1-like	Glb11	301525	1,37	down
6712577	7363922	1778860	galactosidase, beta 1-like	Glb11	301525	2,82	down
6734778	7363922	1778870	galactosidase, beta 1-like	Glb11	301525	1,06	down
5628320	7332322	1701219	gametocyte specific factor 1	Gtsf1	315347	1,08	down
5629145	7332322	1701220	gametocyte specific factor 1	Gtsf1	315347	1,01	down
5883702	7332322	1701222	gametocyte specific factor 1	Gtsf1	315347	1,02	up
5986281	7332322	1701223	gametocyte specific factor 1	Gtsf1	315347	2,85	up
6027252	7332322	1701228	gametocyte specific factor 1	Gtsf1	315347	1,02	down
6094225	7332322	1701225	gametocyte specific factor 1	Gtsf1	315347	1,19	up
6230065	7332322	1701221	gametocyte specific factor 1	Gtsf1	315347	1,03	up
6486325	7332322	1701224	gametocyte specific factor 1	Gtsf1	315347	1,12	down
6550652	7332322	1701227	gametocyte specific factor 1	Gtsf1	315347	1,26	down
5664093	7030254	961218	gametogenetin	Ggn	292765	2,51	down
5699732	7030254	961218	gametogenetin	Ggn	292765	1,05	up
5787105	7030254	961218	gametogenetin	Ggn	292765	1,24	up
5815162	7030254	961220	gametogenetin	Ggn	292765	1,02	down
5863101	7030254	961217	gametogenetin	Ggn	292765	1,40	down
5900460	7030254	961218	gametogenetin	Ggn	292765	1,11	up
6042674	7030254	961221	gametogenetin	Ggn	292765	1,05	down
6123053	7030254	961219	gametogenetin	Ggn	292765	1,00	up
6457945	7030254	961218	gametogenetin	Ggn	292765	1,54	up
5724715	7080875	1081324	gametogenetin binding protein 2	Ggnbp2	360584	1,00	down
5797321	7080875	1081312	gametogenetin binding protein 2	Ggnbp2	360584	1,01	up
5806218	7080875	1081322	gametogenetin binding protein 2	Ggnbp2	360584	1,16	up
5913005	7080875	1081320	gametogenetin binding protein 2	Ggnbp2	360584	1,03	up
5967459	7080875	1081324	gametogenetin binding protein 2	Ggnbp2	360584	1,02	up
6062181	7080875	1081315	gametogenetin binding protein 2	Ggnbp2	360584	1,31	up
6094443	7080875	1081314	gametogenetin binding protein 2	Ggnbp2	360584	1,44	down
6117486	7080875	1081322	gametogenetin binding protein 2	Ggnbp2	360584	1,48	up
6309605	7080875	1081313	gametogenetin binding protein 2	Ggnbp2	360584	2,08	up
6421233	7080875	1081321	gametogenetin binding protein 2	Ggnbp2	360584	1,26	down
6441910	7080875	1081317	gametogenetin binding protein 2	Ggnbp2	360584	1,11	up
6445540	7080875	1081319	gametogenetin binding protein 2	Ggnbp2	360584	1,33	down
6471710	7080875	1081315	gametogenetin binding protein 2	Ggnbp2	360584	1,17	down
6485970	7080875	1081318	gametogenetin binding protein 2	Ggnbp2	360584	1,04	up
6502725	7080875	1081311	gametogenetin binding protein 2	Ggnbp2	360584	1,97	down
6517415	7080875	1081323	gametogenetin binding protein 2	Ggnbp2	360584	1,31	up
6527857	7080875	1081316	gametogenetin binding protein 2	Ggnbp2	360584	1,21	up
5661316	7125168	1189618	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabbr1	25450	1,19	down
5834153	7125168	1189621	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabbr1	25450	2,16	up
5846179	7125168	1189623	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabbr1	25450	1,31	up

5879699	7125168	1189625	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,12	up
6095665	7125168	1189621	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,48	up
6097062	7125168	1189616	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,02	down
6255876	7125168	1189622	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,23	down
6329720	7125168	1189620	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,17	up
6346087	7125168	1189624	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,05	down
6369146	7125168	1189616	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,27	down
6604306	7125168	1189616	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,08	down
6627168	7125168	1189617	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,93	up
6711601	7125168	1189619	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,09	up
5658300	7293733	1605624	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,00	down
5667714	7293733	1605628	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,19	up
5674041	7293733	1605630	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,15	up
5715536	7293733	1605623	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,06	up
5720989	7293733	1605623	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,09	up
5802172	7293733	1605627	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,24	down
5972136	7293733	1605621	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,01	up
6032501	7293733	1605622	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,32	down
6157576	7293733	1605626	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,38	down
6234726	7293733	1605629	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	2,19	up
6386346	7293733	1605621	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,11	up
6525294	7293733	1605625	gamma-aminobutyric acid (GABA) A receptor, delta	Gabrd	29689	1,21	down
5662269	7051876	1013504	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,07	down
5732012	7051876	1013514	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	3,25	down
5734042	7051876	1013506	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,46	up
5782600	7051876	1013509	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,25	down
5983896	7051876	1013512	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,70	up
6100312	7051876	1013514	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,25	down
6180890	7051876	1013505	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,59	down
6192790	7051876	1013511	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,22	up
6241349	7051876	1013511	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,98	up
6243187	7051876	1013507	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,42	up
6387751	7051876	1013514	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,43	down
6492128	7051876	1013513	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,00	up
6571134	7051876	1013508	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,15	up
6587785	7051876	1013510	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,60	down
5619034	7076105	1070721	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	2,40	down
5711929	7076105	1070716	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	1,02	down
5974727	7076105	1070717	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	1,10	up
6242460	7076105	1070716	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	1,01	down
6421021	7076105	1070720	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	1,05	up
6449782	7076105	1070719	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	1,59	up
6632492	7076105	1070722	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	1,00	up
6667991	7076105	1070718	gamma-aminobutyric acid (GABA-A) receptor, pi	Gabrp	81658	1,00	up
5629658	7246964	1489988	gamma-glutamyltransferase 7	Ggt7	156275	1,00	down
5694388	7246964	1489991	gamma-glutamyltransferase 7	Ggt7	156275	1,18	down
5753085	7246964	1490001	gamma-glutamyltransferase 7	Ggt7	156275	1,08	up
5772519	7246964	1489999	gamma-glutamyltransferase 7	Ggt7	156275	1,08	up
5791668	7246964	1489992	gamma-glutamyltransferase 7	Ggt7	156275	1,48	up
5815322	7246964	1489995	gamma-glutamyltransferase 7	Ggt7	156275	1,02	down
5822305	7246964	1490002	gamma-glutamyltransferase 7	Ggt7	156275	1,03	up
5949440	7246964	1489994	gamma-glutamyltransferase 7	Ggt7	156275	1,10	down
6129404	7246964	1489996	gamma-glutamyltransferase 7	Ggt7	156275	1,03	down
6143754	7246964	1489990	gamma-glutamyltransferase 7	Ggt7	156275	2,31	up
6271807	7246964	1489998	gamma-glutamyltransferase 7	Ggt7	156275	1,25	up
6333954	7246964	1489989	gamma-glutamyltransferase 7	Ggt7	156275	1,33	down

6455805	7246964	1489997	gamma-glutamyltransferase 7	Ggt7	156275	1,23	down
6505769	7246964	1490001	gamma-glutamyltransferase 7	Ggt7	156275	1,43	down
6668587	7246964	1489993	gamma-glutamyltransferase 7	Ggt7	156275	1,00	down
6703628	7246964	1489987	gamma-glutamyltransferase 7	Ggt7	156275	1,20	up
6703981	7246964	1490000	gamma-glutamyltransferase 7	Ggt7	156275	1,13	up
5825636	7291759	1600770	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,01	up
5865500	7291759	1600763	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,14	up
5950375	7291759	1600776	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,58	up
6032169	7291759	1600776	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,60	down
6079031	7291759	1600764	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,01	up
6105323	7291759	1600773	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,10	down
6121671	7291759	1600766	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,37	down
6166434	7291759	1600772	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	2,35	up
6202842	7291759	1600768	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,08	down
6280480	7291759	1600775	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,40	down
6320088	7291759	1600767	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,77	up
6437301	7291759	1600769	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,43	down
6554322	7291759	1600774	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,21	down
6668915	7291759	1600765	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,15	up
6673680	7291759	1600771	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	Fgr	79113	1,22	down
5665708	7071895	1060747	gasdermin A1	Gsdma1	360619	1,20	up
5771529	7071895	1060758	gasdermin A1	Gsdma1	360619	1,28	down
5853113	7071895	1060750	gasdermin A1	Gsdma1	360619	1,13	down
6158696	7071895	1060760	gasdermin A1	Gsdma1	360619	1,09	down
6189067	7071895	1060749	gasdermin A1	Gsdma1	360619	1,03	up
6223452	7071895	1060745	gasdermin A1	Gsdma1	360619	1,04	down
6236681	7071895	1060756	gasdermin A1	Gsdma1	360619	1,94	down
6279509	7071895	1060762	gasdermin A1	Gsdma1	360619	1,24	up
6295339	7071895	1060757	gasdermin A1	Gsdma1	360619	1,03	down
6301998	7071895	1060751	gasdermin A1	Gsdma1	360619	1,05	up
6326892	7071895	1060752	gasdermin A1	Gsdma1	360619	1,08	down
6356704	7071895	1060755	gasdermin A1	Gsdma1	360619	1,00	down
6389452	7071895	1060748	gasdermin A1	Gsdma1	360619	1,39	up
6423320	7071895	1060757	gasdermin A1	Gsdma1	360619	1,03	down
6468628	7071895	1060754	gasdermin A1	Gsdma1	360619	1,10	down
6472880	7071895	1060761	gasdermin A1	Gsdma1	360619	2,28	down
6592787	7071895	1060757	gasdermin A1	Gsdma1	360619	1,35	up
6739138	7071895	1060759	gasdermin A1	Gsdma1	360619	1,22	down
5645717	7318143	1668091	gasdermin D	Gsdmd	315084	1,19	up
5666782	7318143	1668093	gasdermin D	Gsdmd	315084	1,59	down
5800586	7318143	1668094	gasdermin D	Gsdmd	315084	1,23	down
5814642	7318143	1668089	gasdermin D	Gsdmd	315084	1,31	up
5842558	7318143	1668094	gasdermin D	Gsdmd	315084	1,28	down
5888694	7318143	1668088	gasdermin D	Gsdmd	315084	1,11	down
5951713	7318143	1668091	gasdermin D	Gsdmd	315084	1,15	up
6041652	7318143	1668092	gasdermin D	Gsdmd	315084	1,18	down
6165488	7318143	1668094	gasdermin D	Gsdmd	315084	1,00	down
6229785	7318143	1668094	gasdermin D	Gsdmd	315084	1,14	up
6234713	7318143	1668090	gasdermin D	Gsdmd	315084	1,46	up
6389438	7318143	1668091	gasdermin D	Gsdmd	315084	1,00	up
6570802	7318143	1668094	gasdermin D	Gsdmd	315084	1,69	up
6572221	7318143	1668094	gasdermin D	Gsdmd	315084	1,29	up
6699560	7318143	1668093	gasdermin D	Gsdmd	315084	1,79	up
6712542	7318143	1668094	gasdermin D	Gsdmd	315084	1,86	up
5706622	7373676	1805846	GATA binding protein 1	Gata1	25172	1,52	up
5847299	7373676	1805848	GATA binding protein 1	Gata1	25172	1,31	down

5931492	7373676	1805844	GATA binding protein 1	Gata1	25172	1,12	down
5941152	7373676	1805848	GATA binding protein 1	Gata1	25172	1,04	up
6063730	7373676	1805847	GATA binding protein 1	Gata1	25172	2,08	down
6168836	7373676	1805848	GATA binding protein 1	Gata1	25172	1,09	down
6377430	7373676	1805845	GATA binding protein 1	Gata1	25172	1,03	up
6454035	7373676	1805849	GATA binding protein 1	Gata1	25172	1,19	down
6586741	7373676	1805843	GATA binding protein 1	Gata1	25172	1,03	up
6615770	7373676	1805848	GATA binding protein 1	Gata1	25172	1,19	up
5802813	7064199	1041668	GDNF family receptor alpha 1	Gfra1	25454	1,28	down
5860371	7064199	1041667	GDNF family receptor alpha 1	Gfra1	25454	1,13	down
6038737	7064199	1041672	GDNF family receptor alpha 1	Gfra1	25454	1,46	down
6190367	7064199	1041674	GDNF family receptor alpha 1	Gfra1	25454	1,16	up
6190755	7064199	1041669	GDNF family receptor alpha 1	Gfra1	25454	1,01	down
6198469	7064199	1041670	GDNF family receptor alpha 1	Gfra1	25454	1,20	down
6320938	7064199	1041671	GDNF family receptor alpha 1	Gfra1	25454	1,13	down
6334129	7064199	1041666	GDNF family receptor alpha 1	Gfra1	25454	1,31	up
6394724	7064199	1041667	GDNF family receptor alpha 1	Gfra1	25454	2,84	down
6410078	7064199	1041673	GDNF family receptor alpha 1	Gfra1	25454	1,30	up
6462802	7064199	1041674	GDNF family receptor alpha 1	Gfra1	25454	1,15	up
6714836	7064199	1041666	GDNF family receptor alpha 1	Gfra1	25454	1,12	up
5618034	7079905	1079343	gem (nuclear organelle) associated protein 4	Gemin4	497958	1,78	up
5747203	7079905	1079342	gem (nuclear organelle) associated protein 4	Gemin4	497958	1,32	up
5758751	7079905	1079342	gem (nuclear organelle) associated protein 4	Gemin4	497958	1,13	down
6057241	7079905	1079342	gem (nuclear organelle) associated protein 4	Gemin4	497958	1,10	down
6269107	7079905	1079344	gem (nuclear organelle) associated protein 4	Gemin4	497958	1,18	down
6449166	7079905	1079342	gem (nuclear organelle) associated protein 4	Gemin4	497958	1,26	down
5710126	7367948	1788974	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,02	down
5824702	7367948	1788979	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	2,13	down
5924622	7367948	1788973	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,19	down
5983476	7367948	1788977	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,31	up
6053954	7367948	1788977	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,18	up
6056300	7367948	1788976	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,08	down
6196012	7367948	1788970	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,06	up
6248401	7367948	1788969	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,08	down
6447338	7367948	1788971	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,17	up
6565475	7367948	1788978	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,34	up
6581871	7367948	1788968	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,50	down
6699636	7367948	1788975	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,09	up
6718855	7367948	1788972	general transcription factor IIF, polypeptide 1	Gtf2f1	316123	1,43	down
5634934	7158439	1271456	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,15	down
5693940	7158439	1271455	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,05	down
5731993	7158439	1271453	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,31	down
5833287	7158439	1271456	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,18	up
5881405	7158439	1271456	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,16	down
5954437	7158439	1271454	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,00	up
6129209	7158439	1271452	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,80	up
6164159	7158439	1271456	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,47	down
6172276	7158439	1271456	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,05	up
6238862	7158439	1271455	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,32	up
6499474	7158439	1271455	geranylgeranyl diphosphate synthase 1	Ggps1	291211	2,09	up
6558857	7158439	1271456	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,23	up
6686367	7158439	1271455	geranylgeranyl diphosphate synthase 1	Ggps1	291211	1,78	down
5647410	7266860	1539036	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,12	down
5664579	7266860	1539041	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	2,06	down
5682068	7266860	1539038	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,22	down
5705087	7266860	1539028	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,13	down

5723977	7266860	1539030	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,12	up
5728574	7266860	1539042	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,24	up
5818297	7266860	1539029	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,33	up
5863336	7266860	1539032	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,11	up
5884154	7266860	1539034	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,02	up
5920428	7266860	1539037	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,39	up
5931047	7266860	1539028	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,56	up
6003588	7266860	1539030	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,20	down
6030259	7266860	1539040	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,17	down
6259064	7266860	1539028	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,14	up
6462323	7266860	1539035	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,15	down
6478967	7266860	1539028	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,76	down
6501291	7266860	1539039	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,28	down
6647398	7266860	1539033	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,12	down
6691923	7266860	1539031	germ cell-less homolog 1 (Drosophila)	Gmcl1	312516	1,09	up
5630092	7182679	1332420	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,19	down
5743454	7182679	1332421	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,02	up
5755303	7182679	1332418	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,50	up
5804118	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,37	up
5818969	7182679	1332420	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,02	down
5859691	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,15	up
5992565	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,00	down
6067787	7182679	1332418	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,68	up
6161186	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,15	down
6191342	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,46	up
6419716	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,15	up
6495433	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,33	down
6542041	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	2,79	up
6572464	7182679	1332418	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,23	down
6267842	7274593	1558816	GLI pathogenesis-related 2	Gli2	304729	1,19	up
5982257	7190493	1351067	glial cell derived neurotrophic factor	Gdnf	25453	1,10	up
6224031	7190493	1351067	glial cell derived neurotrophic factor	Gdnf	25453	1,01	up
6361016	7190493	1351068	glial cell derived neurotrophic factor	Gdnf	25453	1,15	up
6424340	7190493	1351068	glial cell derived neurotrophic factor	Gdnf	25453	1,03	up
6591381	7190493	1351067	glial cell derived neurotrophic factor	Gdnf	25453	2,37	down
5657189	7110330	1152887	GLI-Kruppel family member GLI2	Gli2	304729	1,06	down
5717342	7110330	1152890	GLI-Kruppel family member GLI2	Gli2	304729	1,54	down
5808078	7110330	1152897	GLI-Kruppel family member GLI2	Gli2	304729	1,26	up
5953477	7110330	1152893	GLI-Kruppel family member GLI2	Gli2	304729	1,13	up
5998251	7110330	1152886	GLI-Kruppel family member GLI2	Gli2	304729	1,03	up
6006878	7110330	1152891	GLI-Kruppel family member GLI2	Gli2	304729	1,12	up
6042067	7110330	1152893	GLI-Kruppel family member GLI2	Gli2	304729	2,22	down
6093404	7110330	1152885	GLI-Kruppel family member GLI2	Gli2	304729	2,40	down
6159447	7110330	1152888	GLI-Kruppel family member GLI2	Gli2	304729	1,06	up
6172018	7110330	1152907	GLI-Kruppel family member GLI2	Gli2	304729	1,69	down
6243664	7110330	1152892	GLI-Kruppel family member GLI2	Gli2	304729	1,10	down
6314084	7110330	1152896	GLI-Kruppel family member GLI2	Gli2	304729	1,57	up
6336511	7110330	1152889	GLI-Kruppel family member GLI2	Gli2	304729	1,05	up
6591255	7110330	1152907	GLI-Kruppel family member GLI2	Gli2	304729	1,02	up
6617759	7110330	1152885	GLI-Kruppel family member GLI2	Gli2	304729	1,15	down
5650159	7074052	1066194	glucagon receptor	Gcgr	24953	1,04	down
5690781	7074052	1066193	glucagon receptor	Gcgr	24953	1,26	up
5695169	7074052	1066185	glucagon receptor	Gcgr	24953	1,03	down
5700306	7074052	1066190	glucagon receptor	Gcgr	24953	1,11	up
5930818	7074052	1066182	glucagon receptor	Gcgr	24953	1,07	down
5957031	7074052	1066182	glucagon receptor	Gcgr	24953	4,16	down

5990291	7074052	1066188	glucagon receptor	Gcgr	24953	1,34	up
6050865	7074052	1066187	glucagon receptor	Gcgr	24953	1,15	up
6150295	7074052	1066184	glucagon receptor	Gcgr	24953	1,20	up
6173112	7074052	1066194	glucagon receptor	Gcgr	24953	1,16	down
6305830	7074052	1066189	glucagon receptor	Gcgr	24953	1,11	down
6403191	7074052	1066183	glucagon receptor	Gcgr	24953	1,05	up
6410775	7074052	1066186	glucagon receptor	Gcgr	24953	1,06	down
6522177	7074052	1066191	glucagon receptor	Gcgr	24953	1,16	up
6731116	7074052	1066192	glucagon receptor	Gcgr	24953	1,05	down
5655792	7368684	1791857	glucosidase, alpha, acid	Gaa	367562	1,03	down
5870287	7368684	1791862	glucosidase, alpha, acid	Gaa	367562	1,21	down
6012231	7368684	1791860	glucosidase, alpha, acid	Gaa	367562	1,28	down
6173894	7368684	1791854	glucosidase, alpha, acid	Gaa	367562	1,47	down
6199267	7368684	1791858	glucosidase, alpha, acid	Gaa	367562	1,03	up
6307893	7368684	1791859	glucosidase, alpha, acid	Gaa	367562	1,56	down
6570829	7368684	1791861	glucosidase, alpha, acid	Gaa	367562	1,51	down
6572797	7368684	1791857	glucosidase, alpha, acid	Gaa	367562	1,16	down
6665970	7368684	1791855	glucosidase, alpha, acid	Gaa	367562	1,02	down
5631467	7378827	1818148	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,15	down
5707532	7378827	1818140	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,13	up
5778106	7378827	1818151	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,66	up
5850608	7378827	1818144	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	2,08	down
5868430	7378827	1818150	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,34	up
5885600	7378827	1818145	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,45	up
5890174	7378827	1818143	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,02	down
5923317	7378827	1818134	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,24	down
5978336	7378827	1818149	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,14	down
6014282	7378827	1818150	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,01	down
6091911	7378827	1818135	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,71	down
6171768	7378827	1818137	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,34	down
6308206	7378827	1818138	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,40	down
6350536	7378827	1818142	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,12	up
6387882	7378827	1818138	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,07	down
6405912	7378827	1818139	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,12	down
6501822	7378827	1818148	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,65	up
6583717	7378827	1818136	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,24	down
6684215	7378827	1818141	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,14	up
6692984	7378827	1818146	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,02	down
6715607	7378827	1818147	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,20	up
5629608	7279469	1571674	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,16	up
5679681	7279469	1571689	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,56	down
5744604	7279469	1571688	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,23	down
5804825	7279469	1571683	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,09	up
5843006	7279469	1571676	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,11	down
5877028	7279469	1571675	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,23	down
5906796	7279469	1571689	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,18	up
6008684	7279469	1571688	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,17	down
6020965	7279469	1571678	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,95	up
6130185	7279469	1571686	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,02	up
6199909	7279469	1571687	glutamate receptor, ionotropic, kainate 3	Grik3	298521	2,29	down
6244647	7279469	1571690	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,04	up
6286739	7279469	1571679	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,26	up
6332238	7279469	1571681	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,14	up
6354048	7279469	1571680	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,07	down
6362233	7279469	1571682	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,31	down
6365335	7279469	1571674	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,08	up

6374012	7279469	1571685	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,04	down
6377746	7279469	1571673	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,30	up
6491560	7279469	1571684	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,73	down
6602569	7279469	1571677	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,06	down
5658438	7344579	1731763	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,81	down
5694862	7344579	1731768	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,20	down
5844977	7344579	1731760	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,28	up
5863105	7344579	1731765	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,05	up
5902156	7344579	1731770	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,06	up
5904218	7344579	1731761	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,04	up
5983709	7344579	1731762	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,01	down
5998015	7344579	1731758	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,29	down
6028055	7344579	1731756	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,23	down
6091729	7344579	1731762	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,03	up
6092698	7344579	1731754	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,46	down
6109032	7344579	1731769	glutamate receptor, ionotropic, kainate 4	Grik4	24406	2,05	down
6168261	7344579	1731766	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,01	up
6320768	7344579	1731753	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,37	down
6409674	7344579	1731757	glutamate receptor, ionotropic, kainate 4	Grik4	24406	2,07	up
6450631	7344579	1731759	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,06	up
6540294	7344579	1731764	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,05	up
6609636	7344579	1731767	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,59	up
6649215	7344579	1731752	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,14	up
6678781	7344579	1731755	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,18	down
6720067	7344579	1731768	glutamate receptor, ionotropic, kainate 4	Grik4	24406	1,20	down
5709479	7236770	1465186	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,33	up
5724922	7236770	1465192	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,49	up
5773298	7236770	1465193	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,32	down
5774910	7236770	1465179	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,00	down
5786901	7236770	1465200	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,12	up
5909825	7236770	1465182	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,27	down
5922414	7236770	1465197	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	2,06	up
5926261	7236770	1465181	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	2,46	up
5934925	7236770	1465196	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,58	up
5976648	7236770	1465198	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,83	up
6033860	7236770	1465180	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,92	up
6073946	7236770	1465199	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,10	up
6147869	7236770	1465179	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,68	up
6163377	7236770	1465184	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,47	down
6174453	7236770	1465191	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	3,87	down
6238938	7236770	1465194	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,07	up
6268664	7236770	1465188	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,10	down
6272469	7236770	1465190	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,26	down
6289887	7236770	1465195	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,32	up
6316258	7236770	1465179	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,01	up
6320504	7236770	1465185	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,19	up
6369196	7236770	1465189	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,37	up
6512545	7236770	1465186	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	1,17	up
6608443	7236770	1465183	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,85	down
5685210	7064856	1043208	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,25	down
5689468	7064856	1043212	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,37	up
5761569	7064856	1043204	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,18	up
5858502	7064856	1043215	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,31	up
5914058	7064856	1043202	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,29	up
5994538	7064856	1043211	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,41	up

6034085	7064856	1043207	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,21	down
6035197	7064856	1043214	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	2,84	up
6089501	7064856	1043214	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,25	up
6094545	7064856	1043210	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,02	up
6153493	7064856	1043214	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,68	up
6182315	7064856	1043206	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,73	down
6225564	7064856	1043214	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,62	down
6376667	7064856	1043209	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,19	down
6395956	7064856	1043213	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,82	up
6460267	7064856	1043214	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,21	up
6557291	7064856	1043214	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,04	up
6637897	7064856	1043205	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,49	down
6741120	7064856	1043203	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	Grin2a	24409	1,31	down
5677588	7051103	1012000	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,76	down
5766565	7051103	1012006	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,02	down
5821833	7051103	1012007	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,42	down
5881525	7051103	1012000	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,10	down
5944474	7051103	1012009	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,12	up
5995255	7051103	1012011	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,11	up
6010964	7051103	1011999	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,03	up
6080429	7051103	1011998	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,10	down
6205907	7051103	1012012	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	2,07	down
6225570	7051103	1012003	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,11	up
6294659	7051103	1012005	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,38	down
6326666	7051103	1012013	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,03	down
6365715	7051103	1012001	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,16	up
6365903	7051103	1012000	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,47	up
6396224	7051103	1012010	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,21	down
6475977	7051103	1011999	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,12	up
6544304	7051103	1012012	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,02	up
6582339	7051103	1012004	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,19	up
6600415	7051103	1011998	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,37	down
6636871	7051103	1012008	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,12	down
6686890	7051103	1012008	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,08	up
6691375	7051103	1012002	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	Grin2d	24412	1,07	up
5635136	7067335	1049468	glutamate receptor, metabotropic 6	Grm6	24419	1,99	down
5687656	7067335	1049471	glutamate receptor, metabotropic 6	Grm6	24419	1,27	down
5770587	7067335	1049472	glutamate receptor, metabotropic 6	Grm6	24419	1,31	down
5807429	7067335	1049473	glutamate receptor, metabotropic 6	Grm6	24419	1,00	up
5830559	7067335	1049462	glutamate receptor, metabotropic 6	Grm6	24419	1,24	up
5877353	7067335	1049470	glutamate receptor, metabotropic 6	Grm6	24419	1,02	up
5886780	7067335	1049463	glutamate receptor, metabotropic 6	Grm6	24419	1,00	down
6112904	7067335	1049465	glutamate receptor, metabotropic 6	Grm6	24419	1,15	up
6172831	7067335	1049464	glutamate receptor, metabotropic 6	Grm6	24419	1,25	up
6296097	7067335	1049466	glutamate receptor, metabotropic 6	Grm6	24419	1,35	down
6296678	7067335	1049469	glutamate receptor, metabotropic 6	Grm6	24419	1,16	down
6409414	7067335	1049463	glutamate receptor, metabotropic 6	Grm6	24419	2,30	down
6643850	7067335	1049467	glutamate receptor, metabotropic 6	Grm6	24419	1,13	down
5720819	7338247	1715511	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,41	up
5764604	7338247	1715519	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,36	up
5825289	7338247	1715518	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,15	up
5839946	7338247	1715526	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,57	down
5840705	7338247	1715523	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,06	down
5982204	7338247	1715520	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	2,28	down
6051975	7338247	1715512	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,18	up
6080947	7338247	1715515	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,01	up

6121141	7338247	1715513	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,05	up
6292045	7338247	1715510	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,78	down
6368908	7338247	1715517	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,01	down
6380889	7338247	1715510	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,68	down
6387087	7338247	1715523	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,52	down
6412050	7338247	1715516	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,52	up
6562496	7338247	1715514	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,04	up
6601061	7338247	1715525	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,12	down
6607890	7338247	1715518	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,01	up
6647683	7338247	1715524	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,05	up
6659677	7338247	1715515	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,08	up
6678558	7338247	1715521	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,06	down
6723979	7338247	1715522	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,09	up
5772607	7187674	1343856	glutaredoxin 1 (thioltransferase)	Glxr1	64045	1,03	down
6079929	7187674	1343856	glutaredoxin 1 (thioltransferase)	Glxr1	64045	2,11	up
6138379	7187674	1343858	glutaredoxin 1 (thioltransferase)	Glxr1	64045	1,29	up
6208841	7187674	1343857	glutaredoxin 1 (thioltransferase)	Glxr1	64045	1,04	up
5632060	7214363	1408951	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,02	down
6092758	7214363	1408946	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,68	up
6093635	7214363	1408946	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,18	up
6119266	7214363	1408953	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,51	down
6296238	7214363	1408956	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,15	down
6301668	7214363	1408967	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,46	down
6339719	7214363	1408957	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,02	up
6349227	7214363	1408969	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,01	down
6349802	7214363	1408970	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,16	up
6373738	7214363	1408970	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,11	down
6378952	7214363	1408952	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,01	up
6397361	7214363	1408966	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,08	down
6482123	7214363	1408970	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	3,05	down
6485107	7214363	1408945	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,07	up
6518964	7214363	1408970	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,70	up
6559365	7214363	1408952	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,27	down
6581315	7214363	1408949	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	1,54	up
6608912	7214363	1408955	glutathione S-transferase, C-terminal domain containing	Gstcd	310855	2,20	down
5622577	7212638	1404749	glutathione S-transferase, mu 7	Gstm7	81869	1,10	down
5808626	7212638	1404754	glutathione S-transferase, mu 7	Gstm7	81869	1,42	down
5816012	7212638	1404753	glutathione S-transferase, mu 7	Gstm7	81869	1,09	down
5885618	7212638	1404751	glutathione S-transferase, mu 7	Gstm7	81869	1,41	up
5996325	7212638	1404752	glutathione S-transferase, mu 7	Gstm7	81869	1,23	down
6110613	7212638	1404757	glutathione S-transferase, mu 7	Gstm7	81869	2,40	up
6216373	7212638	1404756	glutathione S-transferase, mu 7	Gstm7	81869	1,08	down
6357686	7212638	1404755	glutathione S-transferase, mu 7	Gstm7	81869	1,81	up
6419661	7212638	1404750	glutathione S-transferase, mu 7	Gstm7	81869	1,23	down
6287997	7339387	1718372	glycerol kinase 5 (putative)	Gk5	367146	2,10	down
6501145	7339387	1718372	glycerol kinase 5 (putative)	Gk5	367146	1,72	down
5637977	7320712	1674084	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,76	up
5670498	7320712	1674085	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,66	down
5727089	7320712	1674093	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	2,04	down
5754875	7320712	1674091	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,10	down
5927902	7320712	1674093	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,01	down
5937264	7320712	1674086	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,19	down
5963889	7320712	1674089	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,48	down
5999854	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,17	up
6075019	7320712	1674088	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,70	down
6150253	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,27	down

6249321	7320712	1674090	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,22	up
6437689	7320712	1674087	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,21	down
6551154	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,19	up
6641409	7320712	1674093	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,23	up
6685159	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,72	down
5840453	7034486	972502	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,22	up
5889417	7034486	972527	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,00	up
5922386	7034486	972526	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,13	down
6028302	7034486	972533	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,24	up
6098276	7034486	972528	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,03	down
6140877	7034486	972503	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,40	up
6214060	7034486	972533	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,03	up
6224573	7034486	972510	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,01	up
6257831	7034486	972531	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,04	up
6355312	7034486	972525	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,04	down
6356758	7034486	972532	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,08	down
6374670	7034486	972524	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,03	up
6393743	7034486	972521	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,22	up
6420508	7034486	972520	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,11	down
6473504	7034486	972516	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,04	down
6523064	7034486	972522	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,56	up
6597899	7034486	972533	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,57	down
6625429	7034486	972517	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,40	down
6705013	7034486	972515	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,03	down
6739719	7034486	972506	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	1,54	up
6742160	7034486	972523	glycerophosphodiester phosphodiesterase domain containing 5	Gdpd5	499211	2,17	up
5677685	7253531	1506299	glycoprotein (transmembrane) nmb	Gpnm	113955	1,17	down
5692697	7253531	1506302	glycoprotein (transmembrane) nmb	Gpnm	113955	1,28	down
5718958	7253531	1506292	glycoprotein (transmembrane) nmb	Gpnm	113955	1,29	up
5724544	7253531	1506300	glycoprotein (transmembrane) nmb	Gpnm	113955	1,11	up
5782339	7253531	1506303	glycoprotein (transmembrane) nmb	Gpnm	113955	1,09	down
5848063	7253531	1506296	glycoprotein (transmembrane) nmb	Gpnm	113955	1,47	up
5987686	7253531	1506294	glycoprotein (transmembrane) nmb	Gpnm	113955	1,10	up
5993652	7253531	1506293	glycoprotein (transmembrane) nmb	Gpnm	113955	1,69	up
5997323	7253531	1506297	glycoprotein (transmembrane) nmb	Gpnm	113955	1,71	up
6003400	7253531	1506297	glycoprotein (transmembrane) nmb	Gpnm	113955	1,44	up
6018871	7253531	1506295	glycoprotein (transmembrane) nmb	Gpnm	113955	1,04	down
6103932	7253531	1506298	glycoprotein (transmembrane) nmb	Gpnm	113955	1,96	down
6310312	7253531	1506301	glycoprotein (transmembrane) nmb	Gpnm	113955	2,97	down
6558013	7253531	1506292	glycoprotein (transmembrane) nmb	Gpnm	113955	1,39	up
5662815	7039270	983678	glycoprotein hormone alpha 2	Gpha2	171158	1,40	down
5684653	7039270	983677	glycoprotein hormone alpha 2	Gpha2	171158	1,54	up
5846284	7039270	983676	glycoprotein hormone alpha 2	Gpha2	171158	2,40	up
6355050	7039270	983675	glycoprotein hormone alpha 2	Gpha2	171158	1,86	down
6454422	7039270	983675	glycoprotein hormone alpha 2	Gpha2	171158	1,33	down
6571628	7039270	983674	glycoprotein hormone alpha 2	Gpha2	171158	1,39	down
5655525	7318268	1668286	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,19	down
5786666	7318268	1668280	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,38	up
5806140	7318268	1668284	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,42	down
5806267	7318268	1668282	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,09	up
5833525	7318268	1668288	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,32	up
5839480	7318268	1668290	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,09	up
5918517	7318268	1668291	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,26	down
6189459	7318268	1668292	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	2,30	up
6274513	7318268	1668289	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,02	down
6351486	7318268	1668281	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,27	up

6354854	7318268	1668285	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,12	up
6372370	7318268	1668283	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,18	up
6409369	7318268	1668287	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,04	down
6563198	7318268	1668285	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,58	down
6570714	7318268	1668289	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,07	down
5661687	7238199	1468912	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,20	down
5677552	7238199	1468914	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,09	down
5697133	7238199	1468934	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,51	up
5703921	7238199	1468912	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,39	down
5829434	7238199	1468911	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,16	down
5887279	7238199	1468922	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,16	up
5905448	7238199	1468928	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,54	down
6100398	7238199	1468922	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,12	down
6100430	7238199	1468923	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,15	down
6107654	7238199	1468926	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,23	down
6125860	7238199	1468920	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,03	down
6129160	7238199	1468916	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,05	up
6141347	7238199	1468930	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,08	down
6185113	7238199	1468910	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,16	up
6210908	7238199	1468918	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,42	down
6278125	7238199	1468931	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,21	down
6318527	7238199	1468911	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,04	down
6325377	7238199	1468933	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,06	up
6339021	7238199	1468911	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,25	down
6360955	7238199	1468925	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,35	down
6363386	7238199	1468915	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,33	down
6395980	7238199	1468926	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,60	down
6399419	7238199	1468932	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,25	up
6478237	7238199	1468927	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,66	down
6479641	7238199	1468929	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,12	down
6551217	7238199	1468924	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,26	up
6659734	7238199	1468919	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	2,90	down
6664787	7238199	1468932	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,12	up
6725847	7238199	1468913	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,85	down
6730547	7238199	1468921	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,17	down
5650472	7226272	1437956	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,20	down
5670862	7226272	1437941	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,17	up
5682693	7226272	1437962	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,15	up
5685479	7226272	1437936	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,08	down
5771594	7226272	1437938	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,29	down
5847703	7226272	1437952	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,27	down
5854355	7226272	1437962	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,33	up
5905089	7226272	1437954	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,03	down
5913587	7226272	1437960	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,19	up
5915401	7226272	1437959	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,26	up
5927362	7226272	1437946	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,06	up
5928696	7226272	1437950	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,09	down
5971387	7226272	1437940	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,00	down
6109419	7226272	1437958	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,14	down
6138742	7226272	1437951	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,38	up
6222660	7226272	1437957	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,28	up
6255475	7226272	1437949	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,38	up
6312345	7226272	1437962	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,03	up
6319141	7226272	1437953	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,05	down
6328152	7226272	1437944	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	2,75	down
6338537	7226272	1437948	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,00	down

6370535	7226272	1437935	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,06	down
6462390	7226272	1437961	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,14	up
6464380	7226272	1437945	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,02	down
6464949	7226272	1437955	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,35	down
6491354	7226272	1437943	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,47	down
6608775	7226272	1437939	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,13	up
6645760	7226272	1437942	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,10	up
6675634	7226272	1437937	golgi autoantigen, golgin subfamily a, 2	Golga2	64528	1,09	down
5644711	7225370	1435508	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,82	up
5655391	7225370	1435513	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,28	up
5681552	7225370	1435517	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,39	down
5763792	7225370	1435521	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,16	down
5840766	7225370	1435512	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,20	down
5886276	7225370	1435516	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,08	up
5912529	7225370	1435508	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,04	down
5927520	7225370	1435509	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	2,05	up
5941214	7225370	1435510	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,62	up
6125603	7225370	1435522	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,09	down
6132089	7225370	1435520	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,19	down
6172595	7225370	1435515	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,96	up
6228702	7225370	1435519	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,01	up
6309485	7225370	1435519	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,30	down
6501212	7225370	1435514	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,60	up
6534917	7225370	1435518	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,15	down
6640138	7225370	1435511	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,86	down
6735653	7225370	1435522	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,38	down
5907498	7088164	1098458	GRAM domain containing 1C	Gramd1c	360717	1,41	up
5624709	7184026	1335672	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,53	up
5738560	7184026	1335671	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,34	up
5777514	7184026	1335673	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,06	down
5898403	7184026	1335672	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,24	down
6059206	7184026	1335671	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,50	down
6392477	7184026	1335671	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	3,11	down
6567906	7184026	1335672	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,10	down
5680263	7127797	1195853	growth arrest-specific 2 like 1	Gas2l1	360973	1,09	up
5978055	7127797	1195853	growth arrest-specific 2 like 1	Gas2l1	360973	1,09	down
6129235	7127797	1195851	growth arrest-specific 2 like 1	Gas2l1	360973	1,09	down
6149135	7127797	1195854	growth arrest-specific 2 like 1	Gas2l1	360973	1,01	down
6179534	7127797	1195851	growth arrest-specific 2 like 1	Gas2l1	360973	2,41	down
6238451	7127797	1195856	growth arrest-specific 2 like 1	Gas2l1	360973	1,03	up
6333228	7127797	1195856	growth arrest-specific 2 like 1	Gas2l1	360973	1,38	down
6392968	7127797	1195854	growth arrest-specific 2 like 1	Gas2l1	360973	1,08	up
6417141	7127797	1195855	growth arrest-specific 2 like 1	Gas2l1	360973	1,25	up
5643104	7115972	1167093	growth factor independent 1 transcription repressor	Gfi1	24388	1,16	up
5685850	7115972	1167090	growth factor independent 1 transcription repressor	Gfi1	24388	1,05	up
5776932	7115972	1167094	growth factor independent 1 transcription repressor	Gfi1	24388	2,04	down
6138680	7115972	1167092	growth factor independent 1 transcription repressor	Gfi1	24388	1,38	down
6148939	7115972	1167095	growth factor independent 1 transcription repressor	Gfi1	24388	1,07	down
6197443	7115972	1167089	growth factor independent 1 transcription repressor	Gfi1	24388	1,47	up
6317898	7115972	1167094	growth factor independent 1 transcription repressor	Gfi1	24388	1,15	down
6436118	7115972	1167091	growth factor independent 1 transcription repressor	Gfi1	24388	1,05	up
5652366	7075371	1069136	growth factor, augmenter of liver regeneration	Gfer	27100	2,34	down
5751669	7075371	1069133	growth factor, augmenter of liver regeneration	Gfer	27100	1,26	up
5891488	7075371	1069132	growth factor, augmenter of liver regeneration	Gfer	27100	1,33	up
6020432	7075371	1069134	growth factor, augmenter of liver regeneration	Gfer	27100	1,29	up
6052010	7075371	1069136	growth factor, augmenter of liver regeneration	Gfer	27100	2,73	down

6212758	7075371	1069135	growth factor, augmenter of liver regeneration	Gfer	27100	1,23	up
6685472	7075371	1069135	growth factor, augmenter of liver regeneration	Gfer	27100	1,43	down
5617709	7254053	1507650	growth hormone releasing hormone receptor	Ghrhr	25321	1,37	up
5685655	7254053	1507641	growth hormone releasing hormone receptor	Ghrhr	25321	2,02	up
5758501	7254053	1507645	growth hormone releasing hormone receptor	Ghrhr	25321	1,57	up
5915996	7254053	1507649	growth hormone releasing hormone receptor	Ghrhr	25321	2,91	up
5929495	7254053	1507652	growth hormone releasing hormone receptor	Ghrhr	25321	1,07	up
6008238	7254053	1507640	growth hormone releasing hormone receptor	Ghrhr	25321	1,20	down
6175025	7254053	1507652	growth hormone releasing hormone receptor	Ghrhr	25321	1,11	down
6232899	7254053	1507651	growth hormone releasing hormone receptor	Ghrhr	25321	1,21	up
6237163	7254053	1507639	growth hormone releasing hormone receptor	Ghrhr	25321	1,12	up
6305004	7254053	1507638	growth hormone releasing hormone receptor	Ghrhr	25321	1,21	down
6383772	7254053	1507649	growth hormone releasing hormone receptor	Ghrhr	25321	1,56	up
6578067	7254053	1507644	growth hormone releasing hormone receptor	Ghrhr	25321	1,55	up
6596016	7254053	1507652	growth hormone releasing hormone receptor	Ghrhr	25321	1,08	up
6616927	7254053	1507643	growth hormone releasing hormone receptor	Ghrhr	25321	1,24	down
6660261	7254053	1507647	growth hormone releasing hormone receptor	Ghrhr	25321	1,63	up
6676718	7254053	1507646	growth hormone releasing hormone receptor	Ghrhr	25321	1,02	down
6691460	7254053	1507642	growth hormone releasing hormone receptor	Ghrhr	25321	1,61	down
5756576	7320895	1674537	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,17	down
5765220	7320895	1674541	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,02	down
5833826	7320895	1674541	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,01	down
5848791	7320895	1674542	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,02	up
6111985	7320895	1674538	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,32	up
6194738	7320895	1674540	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,81	up
6240539	7320895	1674534	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	2,79	down
6303743	7320895	1674535	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,10	down
6430058	7320895	1674534	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,07	down
6704636	7320895	1674536	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,45	up
6713482	7320895	1674539	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Grasp	192254	1,25	down
5705955	7159177	1273342	GTP binding protein 4	Gtpbp4	114300	1,04	down
5766160	7159177	1273341	GTP binding protein 4	Gtpbp4	114300	1,00	up
5892654	7159177	1273347	GTP binding protein 4	Gtpbp4	114300	1,27	down
5975410	7159177	1273333	GTP binding protein 4	Gtpbp4	114300	1,55	up
6064424	7159177	1273334	GTP binding protein 4	Gtpbp4	114300	1,21	up
6156301	7159177	1273340	GTP binding protein 4	Gtpbp4	114300	1,26	up
6191770	7159177	1273336	GTP binding protein 4	Gtpbp4	114300	1,14	up
6289781	7159177	1273343	GTP binding protein 4	Gtpbp4	114300	1,04	down
6296372	7159177	1273331	GTP binding protein 4	Gtpbp4	114300	1,37	down
6335183	7159177	1273332	GTP binding protein 4	Gtpbp4	114300	2,54	down
6611881	7159177	1273337	GTP binding protein 4	Gtpbp4	114300	1,25	down
6612000	7159177	1273345	GTP binding protein 4	Gtpbp4	114300	1,51	up
6669854	7159177	1273346	GTP binding protein 4	Gtpbp4	114300	1,39	down
6692327	7159177	1273348	GTP binding protein 4	Gtpbp4	114300	1,16	down
5650378	7171525	1303452	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,03	down
5653102	7171525	1303453	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,07	down
5697822	7171525	1303452	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,20	down
5830602	7171525	1303465	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,54	up
5875309	7171525	1303484	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,14	up
6046903	7171525	1303452	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,05	down
6090806	7171525	1303484	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,22	up
6093012	7171525	1303477	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,28	up
6117195	7171525	1303480	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,19	down
6166360	7171525	1303454	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,01	down
6171811	7171525	1303452	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,03	down
6275387	7171525	1303479	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,42	down

6321577	7171525	1303483	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	2,03	up
6327451	7171525	1303482	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,01	down
6369824	7171525	1303481	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,07	down
6500045	7171525	1303455	guanine nucleotide binding protein, alpha stimulating, olfactory type	Gnal	24611	1,01	up
5775625	7148721	1247795	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,46	up
5869361	7148721	1247788	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,18	up
5895938	7148721	1247794	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,16	up
5975346	7148721	1247789	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,22	down
6013226	7148721	1247790	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,05	down
6039232	7148721	1247785	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,53	up
6049385	7148721	1247793	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,20	down
6055813	7148721	1247791	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,43	down
6086888	7148721	1247782	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,36	down
6278081	7148721	1247783	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,86	down
6315913	7148721	1247792	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,35	down
6317045	7148721	1247786	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	2,45	down
6372384	7148721	1247796	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,02	up
6452277	7148721	1247784	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,23	down
6632659	7148721	1247787	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,10	up
5726773	7200128	1375989	guanylate binding protein 2	Gbp2	171164	2,31	up
5891968	7200128	1375981	guanylate binding protein 2	Gbp2	171164	14,07	down
5963536	7200128	1375983	guanylate binding protein 2	Gbp2	171164	2,28	up
6176140	7200128	1375987	guanylate binding protein 2	Gbp2	171164	2,25	down
6215275	7200128	1375986	guanylate binding protein 2	Gbp2	171164	1,35	down
6274914	7200128	1375990	guanylate binding protein 2	Gbp2	171164	1,34	down
6296413	7200128	1375984	guanylate binding protein 2	Gbp2	171164	1,80	down
6355647	7200128	1375985	guanylate binding protein 2	Gbp2	171164	2,49	up
6391060	7200128	1375988	guanylate binding protein 2	Gbp2	171164	1,60	up
6407077	7200128	1375990	guanylate binding protein 2	Gbp2	171164	2,41	up
6468900	7200128	1375982	guanylate binding protein 2	Gbp2	171164	2,75	down
5881429	7139007	1223465	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,57	down
5952515	7139007	1223464	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,01	up
5962111	7139007	1223455	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,03	up
6123821	7139007	1223462	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,05	down
6125071	7139007	1223468	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,00	up
6141868	7139007	1223463	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,12	down
6173311	7139007	1223455	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,05	down
6261391	7139007	1223462	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,54	down
6317398	7139007	1223457	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,51	down
6370904	7139007	1223454	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,22	up
6399899	7139007	1223459	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,54	up
6408002	7139007	1223456	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,15	up
6435139	7139007	1223466	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,04	up
6447067	7139007	1223460	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,10	down
6462693	7139007	1223467	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	2,06	up
6488436	7139007	1223461	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,09	down
6530247	7139007	1223458	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,54	down
6717094	7139007	1223468	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,05	down
6741185	7139007	1223465	guanylate cyclase 1, soluble, beta 2	Gucy1b2	25206	1,24	up
6056662	7359460	1768474	guanylate cyclase activator 1B	Guca1b	316218	1,78	down
6062136	7359460	1768474	guanylate cyclase activator 1B	Guca1b	316218	1,05	up
6382798	7359460	1768468	guanylate cyclase activator 1B	Guca1b	316218	2,07	down
6399750	7359460	1768470	guanylate cyclase activator 1B	Guca1b	316218	1,66	down
6409661	7359460	1768467	guanylate cyclase activator 1B	Guca1b	316218	1,38	up
6419861	7359460	1768469	guanylate cyclase activator 1B	Guca1b	316218	1,29	down
6673745	7359460	1768468	guanylate cyclase activator 1B	Guca1b	316218	1,49	down

5626262	7354126	1755055	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,08	up
5631808	7354126	1755062	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,29	up
5728849	7354126	1755052	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,00	up
5808976	7354126	1755061	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,16	down
6035526	7354126	1755053	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,06	up
6123197	7354126	1755059	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,02	up
6285560	7354126	1755052	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,09	up
6522773	7354126	1755056	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,38	up
6537297	7354126	1755057	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,20	up
6696470	7354126	1755054	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,62	down
6698763	7354126	1755060	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	2,03	down
6718596	7354126	1755058	GULP, engulfment adaptor PTB domain containing 1	Gulp1	314543	1,16	down
5717616	7222873	1429837	H2A histone family, member Y2	H2afy2	361844	1,15	up
5790905	7222873	1429831	H2A histone family, member Y2	H2afy2	361844	1,12	up
5946919	7222873	1429840	H2A histone family, member Y2	H2afy2	361844	2,55	down
6027286	7222873	1429835	H2A histone family, member Y2	H2afy2	361844	1,12	up
6093380	7222873	1429842	H2A histone family, member Y2	H2afy2	361844	1,05	up
6192006	7222873	1429833	H2A histone family, member Y2	H2afy2	361844	1,30	up
6312138	7222873	1429840	H2A histone family, member Y2	H2afy2	361844	1,81	down
6411735	7222873	1429838	H2A histone family, member Y2	H2afy2	361844	1,08	down
6445864	7222873	1429831	H2A histone family, member Y2	H2afy2	361844	1,31	down
6549935	7222873	1429839	H2A histone family, member Y2	H2afy2	361844	1,18	up
6577869	7222873	1429832	H2A histone family, member Y2	H2afy2	361844	1,12	up
5833451	7033451	969773	HD domain containing 3	Hddc3	308758	1,11	down
5970147	7033451	969772	HD domain containing 3	Hddc3	308758	1,28	up
6232949	7033451	969773	HD domain containing 3	Hddc3	308758	2,52	down
6293585	7033451	969772	HD domain containing 3	Hddc3	308758	1,05	down
6302974	7033451	969773	HD domain containing 3	Hddc3	308758	1,54	up
6384189	7033451	969774	HD domain containing 3	Hddc3	308758	1,73	down
5671940	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,31	down
5696490	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,08	down
5699753	7165954	1288799	HEAT repeat containing 1	Heatr1	361262	1,37	down
5701616	7165954	1288800	HEAT repeat containing 1	Heatr1	361262	1,12	down
5702934	7165954	1288790	HEAT repeat containing 1	Heatr1	361262	1,63	up
5704186	7165954	1288776	HEAT repeat containing 1	Heatr1	361262	1,21	down
5705766	7165954	1288789	HEAT repeat containing 1	Heatr1	361262	1,32	down
5719450	7165954	1288778	HEAT repeat containing 1	Heatr1	361262	1,13	up
5799331	7165954	1288787	HEAT repeat containing 1	Heatr1	361262	1,00	up
5813573	7165954	1288809	HEAT repeat containing 1	Heatr1	361262	1,40	up
5856730	7165954	1288774	HEAT repeat containing 1	Heatr1	361262	1,17	down
5898308	7165954	1288796	HEAT repeat containing 1	Heatr1	361262	1,19	down
5921449	7165954	1288792	HEAT repeat containing 1	Heatr1	361262	1,15	down
5949913	7165954	1288795	HEAT repeat containing 1	Heatr1	361262	1,02	down
5955765	7165954	1288808	HEAT repeat containing 1	Heatr1	361262	1,23	up
5959538	7165954	1288785	HEAT repeat containing 1	Heatr1	361262	1,53	up
5964900	7165954	1288780	HEAT repeat containing 1	Heatr1	361262	1,55	up
5988057	7165954	1288772	HEAT repeat containing 1	Heatr1	361262	1,06	down
5990945	7165954	1288769	HEAT repeat containing 1	Heatr1	361262	1,23	down
6052672	7165954	1288793	HEAT repeat containing 1	Heatr1	361262	1,54	up
6112305	7165954	1288801	HEAT repeat containing 1	Heatr1	361262	1,10	down
6128725	7165954	1288783	HEAT repeat containing 1	Heatr1	361262	1,97	up
6229149	7165954	1288773	HEAT repeat containing 1	Heatr1	361262	1,54	down
6293794	7165954	1288802	HEAT repeat containing 1	Heatr1	361262	1,04	up
6302089	7165954	1288791	HEAT repeat containing 1	Heatr1	361262	1,13	down
6311827	7165954	1288767	HEAT repeat containing 1	Heatr1	361262	1,44	down
6332586	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,14	up

6341492	7165954	1288767	HEAT repeat containing 1	Heatr1	361262	1,53	down
6343385	7165954	1288768	HEAT repeat containing 1	Heatr1	361262	1,13	up
6392341	7165954	1288775	HEAT repeat containing 1	Heatr1	361262	1,15	down
6403602	7165954	1288803	HEAT repeat containing 1	Heatr1	361262	1,15	up
6413046	7165954	1288794	HEAT repeat containing 1	Heatr1	361262	1,10	up
6422677	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,84	up
6450855	7165954	1288786	HEAT repeat containing 1	Heatr1	361262	1,24	up
6456481	7165954	1288807	HEAT repeat containing 1	Heatr1	361262	1,21	down
6513037	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,14	down
6530971	7165954	1288797	HEAT repeat containing 1	Heatr1	361262	1,42	up
6537365	7165954	1288782	HEAT repeat containing 1	Heatr1	361262	1,14	down
6539548	7165954	1288804	HEAT repeat containing 1	Heatr1	361262	1,12	up
6601536	7165954	1288777	HEAT repeat containing 1	Heatr1	361262	1,02	down
6611940	7165954	1288784	HEAT repeat containing 1	Heatr1	361262	1,15	up
6613783	7165954	1288805	HEAT repeat containing 1	Heatr1	361262	1,19	up
6636199	7165954	1288806	HEAT repeat containing 1	Heatr1	361262	1,08	down
6645165	7165954	1288803	HEAT repeat containing 1	Heatr1	361262	1,40	down
6690030	7165954	1288788	HEAT repeat containing 1	Heatr1	361262	1,06	down
6690619	7165954	1288798	HEAT repeat containing 1	Heatr1	361262	1,07	down
5739598	7064220	1041734	heat shock 70kDa protein 12A	Hspa12a	307997	1,25	down
5767621	7064220	1041751	heat shock 70kDa protein 12A	Hspa12a	307997	1,29	up
5935312	7064220	1041751	heat shock 70kDa protein 12A	Hspa12a	307997	1,01	down
5940272	7064220	1041744	heat shock 70kDa protein 12A	Hspa12a	307997	1,00	up
5941533	7064220	1041731	heat shock 70kDa protein 12A	Hspa12a	307997	1,15	down
5971595	7064220	1041728	heat shock 70kDa protein 12A	Hspa12a	307997	1,78	up
6079261	7064220	1041741	heat shock 70kDa protein 12A	Hspa12a	307997	1,47	down
6151830	7064220	1041730	heat shock 70kDa protein 12A	Hspa12a	307997	2,01	up
6177887	7064220	1041729	heat shock 70kDa protein 12A	Hspa12a	307997	1,23	up
6292698	7064220	1041740	heat shock 70kDa protein 12A	Hspa12a	307997	1,12	up
6318867	7064220	1041742	heat shock 70kDa protein 12A	Hspa12a	307997	1,02	down
6389830	7064220	1041743	heat shock 70kDa protein 12A	Hspa12a	307997	1,59	up
6499998	7064220	1041727	heat shock 70kDa protein 12A	Hspa12a	307997	1,00	up
6548320	7064220	1041726	heat shock 70kDa protein 12A	Hspa12a	307997	1,59	down
5701090	7077365	1073910	heat shock protein 4	Hspa4	266759	1,05	up
5734587	7077365	1073916	heat shock protein 4	Hspa4	266759	1,06	up
5748383	7077365	1073909	heat shock protein 4	Hspa4	266759	1,12	up
5866018	7077365	1073903	heat shock protein 4	Hspa4	266759	1,13	down
5899922	7077365	1073896	heat shock protein 4	Hspa4	266759	3,00	down
6000798	7077365	1073901	heat shock protein 4	Hspa4	266759	1,46	down
6005780	7077365	1073904	heat shock protein 4	Hspa4	266759	1,01	down
6042286	7077365	1073905	heat shock protein 4	Hspa4	266759	1,22	up
6088683	7077365	1073896	heat shock protein 4	Hspa4	266759	1,33	down
6132482	7077365	1073902	heat shock protein 4	Hspa4	266759	1,02	down
6151473	7077365	1073912	heat shock protein 4	Hspa4	266759	1,10	up
6220688	7077365	1073913	heat shock protein 4	Hspa4	266759	1,09	down
6228651	7077365	1073897	heat shock protein 4	Hspa4	266759	1,22	down
6320125	7077365	1073900	heat shock protein 4	Hspa4	266759	1,08	down
6336261	7077365	1073914	heat shock protein 4	Hspa4	266759	1,14	up
6338892	7077365	1073899	heat shock protein 4	Hspa4	266759	1,24	down
6360756	7077365	1073915	heat shock protein 4	Hspa4	266759	1,00	down
6375026	7077365	1073898	heat shock protein 4	Hspa4	266759	1,66	down
6505693	7077365	1073906	heat shock protein 4	Hspa4	266759	1,22	down
6581957	7077365	1073907	heat shock protein 4	Hspa4	266759	1,11	up
6606198	7077365	1073908	heat shock protein 4	Hspa4	266759	1,12	down
6678677	7077365	1073911	heat shock protein 4	Hspa4	266759	1,14	up
6684178	7077365	1073916	heat shock protein 4	Hspa4	266759	1,40	up

6695983	7077365	1073896	heat shock protein 4	Hspa4	266759	1,15	down
5756272	7292810	1603253	heat shock protein 8	Hspa8	24468	1,20	up
5894809	7292810	1603253	heat shock protein 8	Hspa8	24468	1,01	down
5965213	7292810	1603252	heat shock protein 8	Hspa8	24468	2,76	down
6013467	7292810	1603253	heat shock protein 8	Hspa8	24468	1,11	down
6087105	7098824	1124803	heat shock protein 8	Hspb8	113906	1,60	up
6116423	7098824	1124803	heat shock protein 8	Hspb8	113906	2,67	down
6185187	7098824	1124806	heat shock protein 8	Hspb8	113906	1,00	up
6414277	7098824	1124805	heat shock protein 8	Hspb8	113906	1,93	up
6498043	7098824	1124804	heat shock protein 8	Hspb8	113906	1,19	up
6597795	7292810	1603253	heat shock protein 8	Hspa8	24468	1,05	down
6652185	7098824	1124803	heat shock protein 8	Hspb8	113906	2,69	down
6679708	7292810	1603253	heat shock protein 8	Hspa8	24468	1,30	up
5755349	7041584	989442	HECT domain containing 2	Hectd2	309514	1,26	down
5778939	7041584	989446	HECT domain containing 2	Hectd2	309514	1,23	up
6033878	7041584	989447	HECT domain containing 2	Hectd2	309514	1,52	down
6189064	7041584	989449	HECT domain containing 2	Hectd2	309514	1,21	up
6283400	7041584	989446	HECT domain containing 2	Hectd2	309514	1,16	down
6405599	7041584	989450	HECT domain containing 2	Hectd2	309514	1,22	down
6407290	7041584	989448	HECT domain containing 2	Hectd2	309514	1,60	down
6602450	7041584	989443	HECT domain containing 2	Hectd2	309514	1,55	up
6739195	7041584	989451	HECT domain containing 2	Hectd2	309514	2,18	up
5649185	7362184	1774843	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,86	down
5689696	7362184	1774809	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,03	up
5723592	7362184	1774810	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,13	down
5769114	7362184	1774770	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,03	up
5793011	7362184	1774810	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,42	up
5926404	7362184	1774784	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,04	down
5935981	7362184	1774805	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,00	up
6009852	7362184	1774781	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,08	up
6032860	7362184	1774786	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,08	down
6046850	7362184	1774770	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,28	up
6050159	7362184	1774774	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,12	up
6055983	7362184	1774773	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,00	up
6085913	7362184	1774808	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,02	down
6124354	7362184	1774806	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,09	up
6245895	7362184	1774813	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,09	up
6250875	7362184	1774815	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,40	down
6271502	7362184	1774791	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,73	up
6311586	7362184	1774817	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,22	down
6347986	7362184	1774778	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,03	up
6360060	7362184	1774811	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,12	up
6366639	7362184	1774812	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,15	down
6382846	7362184	1774787	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,46	up
6410728	7362184	1774815	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,30	up
6423162	7362184	1774789	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,83	down
6432315	7362184	1774780	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,01	up
6488858	7362184	1774843	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,04	down
6544683	7362184	1774786	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,28	up
6566851	7362184	1774790	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	2,13	up
6621085	7362184	1774811	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,19	down
6650681	7362184	1774799	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,04	down
6673738	7362184	1774825	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,07	down
6699470	7362184	1774804	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,16	down
6709353	7362184	1774783	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,51	down
6711989	7362184	1774822	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,15	up

6718491	7362184	1774776	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,36	down
6745297	7362184	1774777	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Hecw2	316395	1,46	up
5628586	7192320	1356022	helicase-like transcription factor	Hltf	295568	1,06	up
5639153	7192320	1356023	helicase-like transcription factor	Hltf	295568	1,22	up
5660678	7192320	1356050	helicase-like transcription factor	Hltf	295568	1,62	down
5740037	7192320	1356033	helicase-like transcription factor	Hltf	295568	1,43	up
5772841	7192320	1356045	helicase-like transcription factor	Hltf	295568	1,38	down
5847353	7192320	1356039	helicase-like transcription factor	Hltf	295568	1,06	up
5906584	7192320	1356025	helicase-like transcription factor	Hltf	295568	1,14	up
5925166	7192320	1356020	helicase-like transcription factor	Hltf	295568	1,08	down
6073685	7192320	1356040	helicase-like transcription factor	Hltf	295568	2,12	up
6163071	7192320	1356047	helicase-like transcription factor	Hltf	295568	1,11	up
6195079	7192320	1356038	helicase-like transcription factor	Hltf	295568	1,14	down
6315509	7192320	1356050	helicase-like transcription factor	Hltf	295568	1,02	up
6315765	7192320	1356020	helicase-like transcription factor	Hltf	295568	1,53	up
6317016	7192320	1356037	helicase-like transcription factor	Hltf	295568	1,27	up
6401188	7192320	1356031	helicase-like transcription factor	Hltf	295568	1,09	up
6420518	7192320	1356024	helicase-like transcription factor	Hltf	295568	1,17	up
6444691	7192320	1356029	helicase-like transcription factor	Hltf	295568	1,54	up
6467377	7192320	1356030	helicase-like transcription factor	Hltf	295568	1,11	down
6522732	7192320	1356048	helicase-like transcription factor	Hltf	295568	1,09	down
6533746	7192320	1356034	helicase-like transcription factor	Hltf	295568	1,49	up
6569679	7192320	1356044	helicase-like transcription factor	Hltf	295568	1,19	up
6609723	7192320	1356027	helicase-like transcription factor	Hltf	295568	1,14	up
6610139	7192320	1356046	helicase-like transcription factor	Hltf	295568	1,11	up
6645138	7192320	1356041	helicase-like transcription factor	Hltf	295568	1,31	up
6745597	7192320	1356026	helicase-like transcription factor	Hltf	295568	1,33	down
6746901	7192320	1356043	helicase-like transcription factor	Hltf	295568	1,12	up
5661491	7112225	1157627	hemicentin 1	Hmcn1	289094	1,11	up
5704454	7112225	1157655	hemicentin 1	Hmcn1	289094	1,19	down
5706700	7112225	1157681	hemicentin 1	Hmcn1	289094	1,21	down
5832590	7112225	1157649	hemicentin 1	Hmcn1	289094	1,19	down
5841986	7112225	1157525	hemicentin 1	Hmcn1	289094	1,16	up
5904403	7112225	1157682	hemicentin 1	Hmcn1	289094	1,09	down
5971719	7112225	1157625	hemicentin 1	Hmcn1	289094	1,19	up
5971941	7112225	1157633	hemicentin 1	Hmcn1	289094	1,12	up
6014390	7112225	1157661	hemicentin 1	Hmcn1	289094	1,46	up
6026116	7112225	1157630	hemicentin 1	Hmcn1	289094	1,05	down
6037151	7112225	1157660	hemicentin 1	Hmcn1	289094	1,45	down
6086643	7112225	1157640	hemicentin 1	Hmcn1	289094	1,07	up
6170485	7112225	1157626	hemicentin 1	Hmcn1	289094	1,29	down
6192097	7112225	1157664	hemicentin 1	Hmcn1	289094	1,12	down
6208328	7112225	1157642	hemicentin 1	Hmcn1	289094	1,00	up
6218733	7112225	1157650	hemicentin 1	Hmcn1	289094	1,08	up
6223952	7112225	1157652	hemicentin 1	Hmcn1	289094	1,00	down
6302613	7112225	1157651	hemicentin 1	Hmcn1	289094	1,07	down
6319650	7112225	1157624	hemicentin 1	Hmcn1	289094	1,05	up
6359649	7112225	1157637	hemicentin 1	Hmcn1	289094	1,02	up
6387379	7112225	1157641	hemicentin 1	Hmcn1	289094	1,07	up
6463232	7112225	1157628	hemicentin 1	Hmcn1	289094	1,41	down
6466208	7112225	1157681	hemicentin 1	Hmcn1	289094	1,77	down
6478179	7112225	1157638	hemicentin 1	Hmcn1	289094	1,00	down
6502541	7112225	1157654	hemicentin 1	Hmcn1	289094	1,05	down
6520889	7112225	1157642	hemicentin 1	Hmcn1	289094	1,04	down
6659821	7112225	1157653	hemicentin 1	Hmcn1	289094	1,71	down
6738447	7112225	1157635	hemicentin 1	Hmcn1	289094	1,13	up

5657947	7055435	1021544	hemopexin	Hpx	58917	1,56	up
5681682	7055435	1021540	hemopexin	Hpx	58917	1,49	up
5697460	7055435	1021539	hemopexin	Hpx	58917	1,19	down
5730377	7055435	1021546	hemopexin	Hpx	58917	1,22	down
5845298	7055435	1021542	hemopexin	Hpx	58917	1,72	up
5983191	7055435	1021547	hemopexin	Hpx	58917	1,59	up
5985209	7055435	1021541	hemopexin	Hpx	58917	1,52	down
6556499	7055435	1021543	hemopexin	Hpx	58917	1,03	up
6616743	7055435	1021545	hemopexin	Hpx	58917	1,26	up
6650953	7055435	1021538	hemopexin	Hpx	58917	3,21	down
6688470	7055435	1021548	hemopexin	Hpx	58917	5,72	down
5645122	7261768	1527171	HEPACAM family member 2	Hepacam2	296846	1,16	down
5664595	7261768	1527166	HEPACAM family member 2	Hepacam2	296846	1,12	down
5709592	7261768	1527176	HEPACAM family member 2	Hepacam2	296846	1,13	down
5713492	7261768	1527175	HEPACAM family member 2	Hepacam2	296846	1,05	down
6025142	7261768	1527174	HEPACAM family member 2	Hepacam2	296846	1,10	down
6164554	7261768	1527170	HEPACAM family member 2	Hepacam2	296846	1,25	down
6381873	7261768	1527180	HEPACAM family member 2	Hepacam2	296846	1,57	down
6416887	7261768	1527169	HEPACAM family member 2	Hepacam2	296846	1,20	up
6659695	7261768	1527167	HEPACAM family member 2	Hepacam2	296846	1,11	down
5640496	7127197	1194564	hepatocyte growth factor activator	Hgfac	58947	1,51	up
5731360	7127197	1194558	hepatocyte growth factor activator	Hgfac	58947	1,22	down
5755213	7127197	1194563	hepatocyte growth factor activator	Hgfac	58947	2,34	up
5777853	7127197	1194551	hepatocyte growth factor activator	Hgfac	58947	1,06	down
5786776	7127197	1194565	hepatocyte growth factor activator	Hgfac	58947	1,11	up
5819435	7127197	1194565	hepatocyte growth factor activator	Hgfac	58947	1,13	down
5868629	7127197	1194553	hepatocyte growth factor activator	Hgfac	58947	1,45	up
6079562	7127197	1194555	hepatocyte growth factor activator	Hgfac	58947	1,43	down
6219741	7127197	1194559	hepatocyte growth factor activator	Hgfac	58947	1,03	up
6225476	7127197	1194560	hepatocyte growth factor activator	Hgfac	58947	1,70	up
6272703	7127197	1194554	hepatocyte growth factor activator	Hgfac	58947	1,03	up
6413084	7127197	1194557	hepatocyte growth factor activator	Hgfac	58947	1,72	down
6527008	7127197	1194556	hepatocyte growth factor activator	Hgfac	58947	1,18	up
6552435	7127197	1194561	hepatocyte growth factor activator	Hgfac	58947	1,00	down
6702158	7127197	1194562	hepatocyte growth factor activator	Hgfac	58947	1,23	up
6727782	7127197	1194552	hepatocyte growth factor activator	Hgfac	58947	1,04	up
5670775	7042049	990659	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,15	up
5762630	7042049	990654	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,04	down
5776862	7042049	990663	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,07	down
5815237	7042049	990656	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,20	down
5874970	7042049	990662	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	2,39	down
5949266	7042049	990668	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,68	down
6086927	7042049	990670	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,54	up
6095627	7042049	990666	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,06	up
6120208	7042049	990653	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,17	down
6250085	7042049	990672	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,09	up
6277088	7042049	990660	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,14	down
6366417	7042049	990667	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,06	down
6382371	7042049	990665	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,16	down
6438511	7042049	990655	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,11	down
6444817	7042049	990669	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,05	down
6543259	7042049	990671	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,07	up
6577533	7042049	990661	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,10	up
6596885	7042049	990664	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,00	down
6676101	7042049	990657	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,05	down
6691267	7042049	990667	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,12	down

6700848	7042049	990658	Hermansky-Pudlak syndrome 1 homolog (human)	Hps1	114638	1,15	down
5787171	7206804	1391337	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	1,10	up
5872682	7206804	1391343	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	2,62	down
6008701	7206804	1391338	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	1,08	up
6096707	7206804	1391339	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	1,12	up
6341948	7206804	1391346	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	1,15	down
6381968	7206804	1391345	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	1,24	up
6529008	7206804	1391345	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	1,08	down
6568867	7206804	1391341	Hermansky-Pudlak syndrome 3 homolog (human)	Hps3	310288	1,10	up
5644648	7321167	1675102	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,19	down
5662048	7321167	1675104	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	2,09	up
5786894	7321167	1675100	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,11	down
5837228	7321167	1675100	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,11	down
5939562	7321167	1675099	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,03	up
6016291	7321167	1675094	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,32	down
6124202	7321167	1675103	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,12	up
6464023	7321167	1675102	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,11	down
6528444	7321167	1675095	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,49	down
6548706	7321167	1675101	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,21	down
6558526	7321167	1675098	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,12	up
6599813	7321167	1675096	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,05	up
6719366	7321167	1675097	heterogeneous nuclear ribonucleoprotein A1	Hnrnpa1	29578	1,26	up
5842444	7045663	1000082	heterogeneous nuclear ribonucleoprotein A3	Hnrnpa3	362152	2,24	up
6007917	7045663	1000082	heterogeneous nuclear ribonucleoprotein A3	Hnrnpa3	362152	1,04	up
6251898	7045663	1000081	heterogeneous nuclear ribonucleoprotein A3	Hnrnpa3	362152	1,26	down
5745335	7137646	1220435	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,87	up
5760138	7137646	1220439	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,10	up
5781270	7137646	1220430	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,08	down
5871886	7137646	1220434	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,19	up
5976900	7137646	1220430	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,13	up
6196407	7137646	1220430	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,31	up
6379835	7137646	1220436	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,03	up
6420921	7137646	1220432	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,02	up
6626119	7137646	1220433	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,14	up
5635161	7280644	1574261	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,02	down
5704134	7280644	1574262	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,24	down
5727889	7280644	1574267	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,02	up
5810176	7280644	1574265	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,01	down
5900867	7280644	1574267	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,09	up
6129746	7280644	1574262	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,12	up
6143534	7280644	1574260	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,03	down
6473666	7280644	1574267	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,00	up
6511156	7280644	1574263	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,15	up
6578010	7280644	1574266	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	3,12	down
6666667	7280644	1574264	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,09	up
6677401	7280644	1574266	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,15	up
6686704	7280644	1574259	heterogeneous nuclear ribonucleoprotein R	Hnrnpr	319110	1,28	down
5666920	7266497	1538171	hexokinase 2	Hk2	25059	1,57	down
5752287	7266497	1538169	hexokinase 2	Hk2	25059	1,42	down
5783012	7266497	1538174	hexokinase 2	Hk2	25059	1,11	up
5839690	7266497	1538177	hexokinase 2	Hk2	25059	1,17	down
5847171	7266497	1538172	hexokinase 2	Hk2	25059	1,14	up
5870610	7266497	1538167	hexokinase 2	Hk2	25059	1,04	up
5902148	7266497	1538163	hexokinase 2	Hk2	25059	2,13	up
5911383	7266497	1538173	hexokinase 2	Hk2	25059	1,19	up
5911587	7266497	1538176	hexokinase 2	Hk2	25059	1,19	down

5948047	7266497	1538161	hexokinase 2	Hk2	25059	3,80	up
5959948	7266497	1538170	hexokinase 2	Hk2	25059	1,15	down
5973422	7266497	1538175	hexokinase 2	Hk2	25059	1,02	up
5976515	7266497	1538162	hexokinase 2	Hk2	25059	1,12	down
6036304	7266497	1538165	hexokinase 2	Hk2	25059	1,10	down
6066179	7266497	1538166	hexokinase 2	Hk2	25059	1,38	up
6215765	7266497	1538168	hexokinase 2	Hk2	25059	1,30	down
6300173	7266497	1538164	hexokinase 2	Hk2	25059	1,09	up
6378345	7266497	1538179	hexokinase 2	Hk2	25059	1,42	down
6570940	7266497	1538178	hexokinase 2	Hk2	25059	1,81	up
5636277	7074132	1066324	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,42	up
5646635	7074132	1066313	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,10	down
5676224	7074132	1066322	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,04	up
5695677	7074132	1066315	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,07	down
5745863	7074132	1066327	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	2,12	down
5889254	7074132	1066325	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,50	down
5975967	7074132	1066320	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,00	up
5980584	7074132	1066324	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,14	up
6104275	7074132	1066319	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,04	down
6116927	7074132	1066314	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,09	down
6199785	7074132	1066324	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,07	up
6353828	7074132	1066317	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,21	up
6364422	7074132	1066316	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,01	down
6586327	7074132	1066325	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	rCG_34541	100216475	1,17	down
5794321	7154616	1262186	hippocampus abundant transcript-like 1	Hiat1l	306687	1,66	up
5814442	7154616	1262184	hippocampus abundant transcript-like 1	Hiat1l	306687	1,04	down
5956638	7154616	1262190	hippocampus abundant transcript-like 1	Hiat1l	306687	1,12	down
5968714	7154616	1262186	hippocampus abundant transcript-like 1	Hiat1l	306687	1,55	down
6048293	7154616	1262199	hippocampus abundant transcript-like 1	Hiat1l	306687	1,05	up
6054199	7154616	1262187	hippocampus abundant transcript-like 1	Hiat1l	306687	1,06	up
6224692	7154616	1262194	hippocampus abundant transcript-like 1	Hiat1l	306687	1,26	down
6411649	7154616	1262183	hippocampus abundant transcript-like 1	Hiat1l	306687	1,16	down
6473122	7154616	1262192	hippocampus abundant transcript-like 1	Hiat1l	306687	1,13	up
6492770	7154616	1262189	hippocampus abundant transcript-like 1	Hiat1l	306687	1,09	up
6523173	7154616	1262191	hippocampus abundant transcript-like 1	Hiat1l	306687	1,02	up
6594729	7154616	1262195	hippocampus abundant transcript-like 1	Hiat1l	306687	1,40	down
6613822	7154616	1262198	hippocampus abundant transcript-like 1	Hiat1l	306687	1,11	up
6721746	7154616	1262199	hippocampus abundant transcript-like 1	Hiat1l	306687	1,25	down
5638003	7285688	1586192	histidine triad nucleotide binding protein 2	Hint2	313491	2,03	down
5682438	7285688	1586195	histidine triad nucleotide binding protein 2	Hint2	313491	1,14	up
6036912	7285688	1586193	histidine triad nucleotide binding protein 2	Hint2	313491	1,24	down
6432539	7285688	1586193	histidine triad nucleotide binding protein 2	Hint2	313491	1,21	up
6443182	7285688	1586193	histidine triad nucleotide binding protein 2	Hint2	313491	1,37	down
5652868	7169480	1298226	histidyl-tRNA synthetase 2-like	Hars2l	307491	1,31	down
5691072	7169480	1298228	histidyl-tRNA synthetase 2-like	Hars2l	307491	1,66	down
5776696	7169480	1298230	histidyl-tRNA synthetase 2-like	Hars2l	307491	1,17	up
5867627	7169480	1298225	histidyl-tRNA synthetase 2-like	Hars2l	307491	1,27	down
6065718	7169480	1298227	histidyl-tRNA synthetase 2-like	Hars2l	307491	1,12	down
6664557	7169480	1298230	histidyl-tRNA synthetase 2-like	Hars2l	307491	2,07	up
6677710	7169480	1298229	histidyl-tRNA synthetase 2-like	Hars2l	307491	1,39	up
5656627	7216919	1415034	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,40	up
5916222	7216919	1415032	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	2,48	down
5929473	7216919	1415033	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,51	up
6206316	7216919	1415035	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,30	up
6265065	7216919	1415036	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,21	up
6369474	7216919	1415035	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,06	up

6370498	7216919	1415034	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,09	down
5653098	7216406	1413937	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,42	up
5708759	7216406	1413934	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,04	up
5714759	7216406	1413935	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,47	down
5944113	7216406	1413934	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,03	down
6150866	7216406	1413936	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	2,21	down
6161527	7216406	1413936	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,18	up
6547895	7216406	1413933	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,04	down
5691684	7220278	1423736	histocompatibility 2, M region locus 3	H2-M3	24747	1,18	up
5727457	7220278	1423734	histocompatibility 2, M region locus 3	H2-M3	24747	2,04	up
5747548	7220278	1423731	histocompatibility 2, M region locus 3	H2-M3	24747	1,31	down
6204352	7220278	1423733	histocompatibility 2, M region locus 3	H2-M3	24747	1,69	up
6220252	7220278	1423732	histocompatibility 2, M region locus 3	H2-M3	24747	1,30	down
6421806	7220278	1423735	histocompatibility 2, M region locus 3	H2-M3	24747	1,40	up
5629474	7216562	1414192	histocompatibility 2, T region locus 24	RT1-T24-1	361787	2,04	down
5824423	7216562	1414193	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,89	down
5903059	7216562	1414190	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,66	down
5971359	7216562	1414193	histocompatibility 2, T region locus 24	RT1-T24-1	361787	2,11	up
6193977	7216562	1414189	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,45	down
6355099	7216540	1414163	histocompatibility 2, T region locus 24	H2-T24	414784	1,33	down
6470445	7216562	1414191	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,47	down
6490490	7216540	1414167	histocompatibility 2, T region locus 24	H2-T24	414784	1,27	up
6495453	7216562	1414194	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,50	up
6109003	7216540	1414165	histocompatibility 2, T region locus 24 /// histocompatibility 2, T region locus 24 /// RT1-T24-1 /// LO784 ///	361787 /// 360231	2,08	down	
6584293	7216540	1414164	histocompatibility 2, T region locus 24 /// histocompatibility 2, T region locus 24 /// RT1-T24-1 /// LO784 ///	361787 /// 360231	1,15	down	
5905166	7216540	1414166	histocompatibility 2, T region locus 24 /// MHC class I RT1.O type 149 processed 2-T24 /// LOC360231	414784 /// 360231	2,22	up	
6199191	7216540	1414162	histocompatibility 2, T region locus 24 /// MHC class I RT1.O type 149 processed 2-T24 /// LOC360231	414784 /// 360231	1,10	down	
5666543	7373678	1805880	histone deacetylase 6	Hdac6	84581	1,60	up
5713804	7373678	1805879	histone deacetylase 6	Hdac6	84581	1,13	up
5874870	7373678	1805879	histone deacetylase 6	Hdac6	84581	1,28	down
5756484	7331434	1699224	histone deacetylase 7A	Hdac7a	84582	1,53	up
5864003	7331434	1699220	histone deacetylase 7A	Hdac7a	84582	1,12	down
5991043	7331434	1699226	histone deacetylase 7A	Hdac7a	84582	1,19	down
6284893	7331434	1699222	histone deacetylase 7A	Hdac7a	84582	1,85	up
6387248	7331434	1699225	histone deacetylase 7A	Hdac7a	84582	1,14	down
6518693	7331434	1699221	histone deacetylase 7A	Hdac7a	84582	1,22	up
6682715	7331434	1699222	histone deacetylase 7A	Hdac7a	84582	1,89	down
5641822	7216745	1414565	HLA-B associated transcript 2	Bat2	294250	1,10	up
5705641	7216745	1414553	HLA-B associated transcript 2	Bat2	294250	1,10	down
5708557	7216745	1414559	HLA-B associated transcript 2	Bat2	294250	1,03	up
5709157	7216745	1414546	HLA-B associated transcript 2	Bat2	294250	1,22	up
5758693	7216745	1414569	HLA-B associated transcript 2	Bat2	294250	1,02	down
5796159	7216745	1414562	HLA-B associated transcript 2	Bat2	294250	1,04	up
5829830	7216745	1414548	HLA-B associated transcript 2	Bat2	294250	1,13	up
5833141	7216745	1414570	HLA-B associated transcript 2	Bat2	294250	2,11	up
5833983	7216745	1414549	HLA-B associated transcript 2	Bat2	294250	1,04	up
5835399	7216745	1414545	HLA-B associated transcript 2	Bat2	294250	1,17	up
5844152	7216745	1414552	HLA-B associated transcript 2	Bat2	294250	1,07	down
5848554	7216745	1414566	HLA-B associated transcript 2	Bat2	294250	1,05	down
5853987	7216745	1414544	HLA-B associated transcript 2	Bat2	294250	1,05	down
5922364	7216745	1414563	HLA-B associated transcript 2	Bat2	294250	1,24	up
5962832	7216745	1414560	HLA-B associated transcript 2	Bat2	294250	1,04	down
5995259	7216745	1414571	HLA-B associated transcript 2	Bat2	294250	1,29	up
6079447	7216745	1414556	HLA-B associated transcript 2	Bat2	294250	1,18	down
6079563	7216745	1414570	HLA-B associated transcript 2	Bat2	294250	1,05	down
6177631	7216745	1414547	HLA-B associated transcript 2	Bat2	294250	1,15	up

6192975	7216745	1414556	HLA-B associated transcript 2	Bat2	294250	1,01	up
6201960	7216745	1414555	HLA-B associated transcript 2	Bat2	294250	1,02	up
6277282	7216745	1414558	HLA-B associated transcript 2	Bat2	294250	1,07	up
6277733	7216745	1414557	HLA-B associated transcript 2	Bat2	294250	1,05	up
6287126	7216745	1414558	HLA-B associated transcript 2	Bat2	294250	1,02	up
6322284	7216745	1414564	HLA-B associated transcript 2	Bat2	294250	2,78	up
6351521	7216745	1414558	HLA-B associated transcript 2	Bat2	294250	1,08	down
6377346	7216745	1414556	HLA-B associated transcript 2	Bat2	294250	1,02	down
6418110	7216745	1414568	HLA-B associated transcript 2	Bat2	294250	1,04	up
6443985	7216745	1414572	HLA-B associated transcript 2	Bat2	294250	1,05	up
6471464	7216745	1414561	HLA-B associated transcript 2	Bat2	294250	1,31	down
6569649	7216745	1414551	HLA-B associated transcript 2	Bat2	294250	1,16	up
6599720	7216745	1414558	HLA-B associated transcript 2	Bat2	294250	1,13	up
6610191	7216745	1414564	HLA-B associated transcript 2	Bat2	294250	1,07	down
6622241	7216745	1414550	HLA-B associated transcript 2	Bat2	294250	1,19	down
6643861	7216745	1414573	HLA-B associated transcript 2	Bat2	294250	1,03	down
6664088	7216745	1414549	HLA-B associated transcript 2	Bat2	294250	1,27	up
6677736	7216745	1414567	HLA-B associated transcript 2	Bat2	294250	1,16	down
6692963	7216745	1414559	HLA-B associated transcript 2	Bat2	294250	1,05	down
6696774	7216745	1414558	HLA-B associated transcript 2	Bat2	294250	1,17	up
6699598	7216745	1414554	HLA-B associated transcript 2	Bat2	294250	1,07	up
6720699	7216745	1414558	HLA-B associated transcript 2	Bat2	294250	1,12	up
5677906	7305534	1636409	HMG-box transcription factor 1	Hbp1	27080	1,10	up
5699583	7305534	1636401	HMG-box transcription factor 1	Hbp1	27080	2,22	down
5729587	7305534	1636402	HMG-box transcription factor 1	Hbp1	27080	1,24	down
5997315	7305534	1636403	HMG-box transcription factor 1	Hbp1	27080	1,52	up
6063831	7305534	1636405	HMG-box transcription factor 1	Hbp1	27080	1,30	up
6170084	7305534	1636400	HMG-box transcription factor 1	Hbp1	27080	1,31	down
6212583	7305534	1636401	HMG-box transcription factor 1	Hbp1	27080	1,13	down
6225664	7305534	1636406	HMG-box transcription factor 1	Hbp1	27080	1,02	up
6225682	7305534	1636407	HMG-box transcription factor 1	Hbp1	27080	1,10	up
6640651	7305534	1636408	HMG-box transcription factor 1	Hbp1	27080	1,12	up
6693692	7305534	1636404	HMG-box transcription factor 1	Hbp1	27080	1,10	up
5661571	7091954	1107734	holocarboxylase synthetase (biotin-(proprionyl-Coenzyme A-carboxylase (ATP-hy	Hlcs	288240	2,47	up
5706048	7091954	1107703	holocarboxylase synthetase (biotin-(proprionyl-Coenzyme A-carboxylase (ATP-hy	Hlcs	288240	1,15	down
5999122	7091954	1107730	holocarboxylase synthetase (biotin-(proprionyl-Coenzyme A-carboxylase (ATP-hy	Hlcs	288240	1,04	down
5838959	7264797	1534435	homeo box A4	Hoxa4	24453	2,51	up
6182192	7264797	1534435	homeo box A4	Hoxa4	24453	1,09	down
6428165	7264797	1534435	homeo box A4	Hoxa4	24453	1,37	up
6549100	7264797	1534435	homeo box A4	Hoxa4	24453	1,38	down
5785131	7264797	1534441	homeo box A5	Hoxa5	79241	1,20	up
6024830	7264797	1534440	homeo box A5	Hoxa5	79241	1,53	down
6122533	7264797	1534439	homeo box A5	Hoxa5	79241	1,07	down
6361581	7071616	1060069	homeo box B1	Hoxb1	303491	1,02	up
5728285	7323375	1679417	host cell factor C2	Hcfc2	314704	1,15	up
5843571	7323375	1679413	host cell factor C2	Hcfc2	314704	1,27	up
5925578	7323375	1679409	host cell factor C2	Hcfc2	314704	1,38	down
6008609	7323375	1679414	host cell factor C2	Hcfc2	314704	2,45	up
6033422	7323375	1679412	host cell factor C2	Hcfc2	314704	1,03	up
6132081	7323375	1679423	host cell factor C2	Hcfc2	314704	1,15	up
6201195	7323375	1679418	host cell factor C2	Hcfc2	314704	1,08	up
6334283	7323375	1679416	host cell factor C2	Hcfc2	314704	1,15	up
6341927	7323375	1679411	host cell factor C2	Hcfc2	314704	1,02	up
6389439	7323375	1679415	host cell factor C2	Hcfc2	314704	1,10	up
6432907	7323375	1679410	host cell factor C2	Hcfc2	314704	1,15	down
6445101	7323375	1679421	host cell factor C2	Hcfc2	314704	1,15	down

6523711	7323375	1679420	host cell factor C2	Hcfc2	314704	1,05	up
6592335	7323375	1679422	host cell factor C2	Hcfc2	314704	1,04	down
6667301	7323375	1679418	host cell factor C2	Hcfc2	314704	1,83	up
6681046	7323375	1679419	host cell factor C2	Hcfc2	314704	1,27	down
6087041	7158408	1271348	HS1 binding protein	Hs1bp1	291202	1,04	down
6121514	7158408	1271348	HS1 binding protein	Hs1bp1	291202	1,20	down
6202526	7158408	1271348	HS1 binding protein	Hs1bp1	291202	1,02	down
6240054	7158408	1271348	HS1 binding protein	Hs1bp1	291202	1,08	up
6439968	7158408	1271348	HS1 binding protein	Hs1bp1	291202	1,21	down
6681118	7158408	1271348	HS1 binding protein	Hs1bp1	291202	1,36	down
5723996	7163227	1282804	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,05	up
5764703	7163227	1282806	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,15	up
5771023	7163227	1282794	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,08	down
5812387	7163227	1282799	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,18	up
6045615	7163227	1282806	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,01	up
6092137	7163227	1282795	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,17	up
6093194	7163227	1282792	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,22	down
6102253	7163227	1282804	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,06	up
6180582	7163227	1282806	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,02	up
6214298	7163227	1282791	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,78	down
6251380	7163227	1282806	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,17	up
6260171	7163227	1282820	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,31	up
6280132	7163227	1282803	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,04	up
6296422	7163227	1282792	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	2,29	up
6307952	7163227	1282807	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,21	up
6314705	7163227	1282792	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,20	up
6343908	7163227	1282811	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,46	down
6357911	7163227	1282801	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,30	down
6383244	7163227	1282792	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,41	down
6568688	7163227	1282800	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,19	up
6582064	7163227	1282804	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,20	down
6619564	7163227	1282804	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,14	up
6639519	7163227	1282804	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,17	up
6716830	7163227	1282807	human immunodeficiency virus type I enhancer binding protein 1	Hivep1	117140	1,15	up
5650688	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,01	up
5796006	7279073	1570730	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,35	down
5868301	7279073	1570742	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,42	up
5874695	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,11	down
5883947	7279073	1570742	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,80	up
5964049	7279073	1570749	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,05	down
6100709	7279073	1570754	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,08	down
6184777	7279073	1570730	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,47	down
6196516	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,15	up
6289210	7279073	1570744	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,25	down
6318292	7279073	1570742	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,33	up
6413378	7279073	1570754	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,20	up
6447908	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,47	down
6476166	7279073	1570755	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,09	down
6476389	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,35	up
6589606	7279073	1570741	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,03	up
6694399	7279073	1570750	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,99	down
5848025	7210593	1400503	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,31	up
6015468	7210593	1400501	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,76	down
6033309	7210593	1400502	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,14	up
6088991	7210593	1400500	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,11	down
6109176	7210593	1400496	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,01	up

6288435	7210593	1400497	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,90	down
6323076	7210593	1400499	hyaluronan and proteoglycan link protein 2	Hapln2	64057	2,37	down
6564882	7210593	1400500	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,31	down
6587905	7210593	1400498	hyaluronan and proteoglycan link protein 2	Hapln2	64057	1,67	up
5684642	7075573	1069663	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,08	down
5748497	7075573	1069662	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,12	down
5776720	7075573	1069662	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,24	up
5835100	7075573	1069659	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,09	up
5840759	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,28	up
6033092	7075573	1069662	hydroxyacylglutathione hydrolase-like	Haghl	302995	2,17	down
6063883	7075573	1069663	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,39	up
6105999	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,41	up
6140406	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,12	down
6180704	7075573	1069661	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,20	down
6192294	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,01	up
6337558	7075573	1069663	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,09	down
6489797	7075573	1069664	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,21	down
6635696	7075573	1069661	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,19	down
6669910	7075573	1069660	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,22	up
6703536	7075573	1069664	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,18	down
5638272	7225705	1436530	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,17	down
5662922	7225705	1436519	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,63	up
5671511	7225705	1436520	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,01	up
5676725	7225705	1436525	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,20	down
5680111	7225705	1436528	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,19	down
5692251	7225705	1436527	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,22	down
5773136	7225705	1436530	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,16	down
6033162	7225705	1436523	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,61	up
6091898	7225705	1436518	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,52	up
6164332	7225705	1436521	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,31	up
6270305	7225705	1436526	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,53	down
6334609	7225705	1436522	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,06	down
6372460	7225705	1436529	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	2,02	down
6611282	7225705	1436531	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,43	up
6643263	7225705	1436524	HypB, AroK, ADK and rho factor domain containing protein RGD1303144	RGD1303144	311833	1,37	down
5824374	7095475	1116051	hypermethylated in cancer 2	Hic2	287940	1,28	up
5996522	7095475	1116052	hypermethylated in cancer 2	Hic2	287940	1,04	down
6136362	7095475	1116055	hypermethylated in cancer 2	Hic2	287940	1,11	up
6410831	7095475	1116051	hypermethylated in cancer 2	Hic2	287940	1,49	down
6487046	7095475	1116050	hypermethylated in cancer 2	Hic2	287940	1,02	up
6533284	7095475	1116051	hypermethylated in cancer 2	Hic2	287940	2,19	up
5638189	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	2,68	up
5684294	7189987	1349809	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,71	up
5701181	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,14	up
5709030	7189987	1349808	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,32	down
5722121	7189987	1349807	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,02	down
5873953	7189987	1349813	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,01	down
6033333	7189987	1349810	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,25	down
6047610	7189987	1349809	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,07	up
6107427	7189987	1349811	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,07	down
6127387	7189987	1349811	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,18	up
6363162	7189987	1349813	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,34	down
6451834	7189987	1349808	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,04	up
6516832	7189987	1349812	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,73	down
6658298	7189987	1349813	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,07	up
6662754	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,27	up

6701013	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	2,34	down
6109898	7039268	983668	hypothetical gene supported by BC078985	LOC499306	499306	1,00	down
6122196	7039268	983662	hypothetical gene supported by BC078985	LOC499306	499306	1,76	down
6232910	7039268	983667	hypothetical gene supported by BC078985	LOC499306	499306	1,24	up
6243319	7039268	983664	hypothetical gene supported by BC078985	LOC499306	499306	1,94	down
6321979	7039268	983671	hypothetical gene supported by BC078985	LOC499306	499306	2,09	up
6447014	7039268	983671	hypothetical gene supported by BC078985	LOC499306	499306	2,25	up
6447880	7039268	983669	hypothetical gene supported by BC078985	LOC499306	499306	1,31	down
6497521	7039268	983665	hypothetical gene supported by BC078985	LOC499306	499306	1,10	down
6518372	7039268	983670	hypothetical gene supported by BC078985	LOC499306	499306	2,17	up
6634058	7039268	983663	hypothetical gene supported by BC078985	LOC499306	499306	1,91	down
6737006	7039268	983666	hypothetical gene supported by BC078985	LOC499306	499306	1,76	down
5677839	7333100	1702831	hypothetical gene supported by BC088439	LOC500947	500947	1,82	up
6582991	7333100	1702830	hypothetical gene supported by BC088439	LOC500947	500947	1,00	down
5669381	7274780	1559206	hypothetical LOC298077	RGD1305807	298077	1,01	up
5674211	7274780	1559192	hypothetical LOC298077	RGD1305807	298077	1,49	up
5701839	7274780	1559203	hypothetical LOC298077	RGD1305807	298077	1,04	down
5843744	7274780	1559189	hypothetical LOC298077	RGD1305807	298077	1,53	up
5917714	7274780	1559187	hypothetical LOC298077	RGD1305807	298077	1,21	up
6151986	7274780	1559188	hypothetical LOC298077	RGD1305807	298077	1,08	up
6322813	7274780	1559182	hypothetical LOC298077	RGD1305807	298077	1,02	up
6323130	7274780	1559195	hypothetical LOC298077	RGD1305807	298077	1,06	up
6382294	7274780	1559191	hypothetical LOC298077	RGD1305807	298077	1,28	up
6432878	7274780	1559196	hypothetical LOC298077	RGD1305807	298077	1,26	up
6483952	7274780	1559193	hypothetical LOC298077	RGD1305807	298077	1,48	down
6488212	7274780	1559204	hypothetical LOC298077	RGD1305807	298077	1,16	up
6514523	7274780	1559207	hypothetical LOC298077	RGD1305807	298077	2,22	up
6540806	7274780	1559198	hypothetical LOC298077	RGD1305807	298077	2,31	up
6654815	7274780	1559202	hypothetical LOC298077	RGD1305807	298077	1,25	down
6662964	7274780	1559190	hypothetical LOC298077	RGD1305807	298077	1,26	up
6682324	7274780	1559201	hypothetical LOC298077	RGD1305807	298077	1,12	down
6692761	7274780	1559205	hypothetical LOC298077	RGD1305807	298077	1,55	up
6717905	7274780	1559207	hypothetical LOC298077	RGD1305807	298077	1,19	up
5631098	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,17	down
5673656	7231958	1452577	hypothetical LOC302884	MGC105649	302884	2,06	up
5709168	7231958	1452575	hypothetical LOC302884	MGC105649	302884	1,14	up
5794807	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,82	up
5821390	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,01	down
5828079	7231958	1452574	hypothetical LOC302884	MGC105649	302884	1,81	up
5941839	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,43	down
5981788	7231958	1452574	hypothetical LOC302884	MGC105649	302884	2,39	up
6248166	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,21	down
6423962	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,18	down
5634087	7059449	1030298	hypothetical LOC309150	RGD1308234	309150	1,04	up
5728085	7059449	1030301	hypothetical LOC309150	RGD1308234	309150	1,18	up
5858420	7059449	1030303	hypothetical LOC309150	RGD1308234	309150	1,14	up
6001651	7059449	1030301	hypothetical LOC309150	RGD1308234	309150	1,15	up
6086899	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,10	up
6130359	7059449	1030303	hypothetical LOC309150	RGD1308234	309150	1,54	up
6141787	7059449	1030302	hypothetical LOC309150	RGD1308234	309150	1,16	up
6164158	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,10	up
6237777	7059449	1030298	hypothetical LOC309150	RGD1308234	309150	1,00	down
6248043	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,02	down
6329220	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,03	down
6437576	7059449	1030300	hypothetical LOC309150	RGD1308234	309150	1,08	up
6471638	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	2,30	down

6555452	7059449	1030299	hypothetical LOC309150	RGD1308234	309150	1,22	down
6658195	7059449	1030300	hypothetical LOC309150	RGD1308234	309150	1,71	up
6734265	7059449	1030301	hypothetical LOC309150	RGD1308234	309150	1,91	down
5703231	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,19	up
5733561	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,24	up
5867029	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,03	up
5935080	7194172	1361178	hypothetical LOC499618	LOC499618	499618	1,21	up
6123831	7194172	1361179	hypothetical LOC499618	LOC499618	499618	1,10	up
6236956	7194172	1361175	hypothetical LOC499618	LOC499618	499618	1,34	up
6242084	7194172	1361185	hypothetical LOC499618	LOC499618	499618	1,00	down
6294308	7194172	1361170	hypothetical LOC499618	LOC499618	499618	1,10	up
6297539	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,10	up
6333313	7194172	1361171	hypothetical LOC499618	LOC499618	499618	1,06	up
6462441	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,11	up
6505046	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,09	up
6615974	7194172	1361181	hypothetical LOC499618	LOC499618	499618	1,18	up
6723806	7194172	1361174	hypothetical LOC499618	LOC499618	499618	1,60	up
6370278	7368565	1791272	hypothetical LOC501092	LOC501092	501092	1,17	down
5673501	7370996	1798826	hypothetical LOC501391	LOC501391	501391	1,03	down
5783969	7370996	1798824	hypothetical LOC501391	LOC501391	501391	2,21	up
5859468	7370996	1798825	hypothetical LOC501391	LOC501391	501391	1,18	down
5877506	7370996	1798821	hypothetical LOC501391	LOC501391	501391	1,38	up
5924526	7370996	1798822	hypothetical LOC501391	LOC501391	501391	1,10	up
6143719	7370996	1798823	hypothetical LOC501391	LOC501391	501391	1,69	up
5635920	7096952	1119673	hypothetical protein LOC498154	LOC498154	498154	2,47	down
6099737	7096952	1119669	hypothetical protein LOC498154	LOC498154	498154	1,24	up
6356834	7096952	1119671	hypothetical protein LOC498154	LOC498154	498154	1,03	down
6368495	7096952	1119672	hypothetical protein LOC498154	LOC498154	498154	1,06	down
6442579	7096952	1119674	hypothetical protein LOC498154	LOC498154	498154	1,22	down
6508100	7096952	1119670	hypothetical protein LOC498154	LOC498154	498154	1,16	up
5765742	7061550	1035300	hypothetical protein LOC499339	LOC499339	499339	1,16	up
5785034	7061550	1035280	hypothetical protein LOC499339	LOC499339	499339	1,01	up
5791461	7061550	1035286	hypothetical protein LOC499339	LOC499339	499339	1,47	up
5797098	7061550	1035295	hypothetical protein LOC499339	LOC499339	499339	1,20	up
5870254	7061550	1035296	hypothetical protein LOC499339	LOC499339	499339	1,88	down
5872610	7061550	1035299	hypothetical protein LOC499339	LOC499339	499339	1,61	up
5913168	7061550	1035294	hypothetical protein LOC499339	LOC499339	499339	1,68	up
5916585	7061550	1035279	hypothetical protein LOC499339	LOC499339	499339	1,48	down
5917990	7061550	1035290	hypothetical protein LOC499339	LOC499339	499339	1,04	up
5920390	7061550	1035297	hypothetical protein LOC499339	LOC499339	499339	1,49	up
6057891	7061550	1035293	hypothetical protein LOC499339	LOC499339	499339	1,07	up
6089934	7061550	1035298	hypothetical protein LOC499339	LOC499339	499339	2,51	down
6144271	7061550	1035285	hypothetical protein LOC499339	LOC499339	499339	1,59	up
6197971	7061550	1035289	hypothetical protein LOC499339	LOC499339	499339	1,09	down
6231102	7061550	1035281	hypothetical protein LOC499339	LOC499339	499339	1,09	down
6398244	7061550	1035284	hypothetical protein LOC499339	LOC499339	499339	1,62	down
6675121	7061550	1035301	hypothetical protein LOC499339	LOC499339	499339	1,88	down
6699066	7061550	1035292	hypothetical protein LOC499339	LOC499339	499339	1,30	up
5910631	7219694	1422262	hypothetical protein LOC499465	LOC499465	499465	1,03	down
6044138	7219694	1422264	hypothetical protein LOC499465	LOC499465	499465	2,23	down
6149502	7219694	1422265	hypothetical protein LOC499465	LOC499465	499465	1,00	down
6191696	7219694	1422266	hypothetical protein LOC499465	LOC499465	499465	1,01	up
6543735	7219694	1422267	hypothetical protein LOC499465	LOC499465	499465	1,09	up
6648959	7219694	1422263	hypothetical protein LOC499465	LOC499465	499465	1,01	up
6655461	7219694	1422265	hypothetical protein LOC499465	LOC499465	499465	1,56	up
5627690	7240665	1475819	hypothetical protein LOC500684	LOC500684	500684	1,04	down

5692916	7240665	1475839	hypothetical protein LOC500684	LOC500684	500684	1,36	down
5715622	7240665	1475818	hypothetical protein LOC500684	LOC500684	500684	1,08	up
5816186	7240665	1475823	hypothetical protein LOC500684	LOC500684	500684	1,04	down
5855463	7240665	1475835	hypothetical protein LOC500684	LOC500684	500684	1,02	up
5867508	7240665	1475821	hypothetical protein LOC500684	LOC500684	500684	1,07	down
5890191	7240665	1475831	hypothetical protein LOC500684	LOC500684	500684	1,08	up
6012500	7240665	1475829	hypothetical protein LOC500684	LOC500684	500684	1,16	up
6045888	7240665	1475830	hypothetical protein LOC500684	LOC500684	500684	1,19	down
6216423	7240665	1475822	hypothetical protein LOC500684	LOC500684	500684	1,12	up
6505474	7240665	1475836	hypothetical protein LOC500684	LOC500684	500684	1,00	up
6556968	7240665	1475815	hypothetical protein LOC500684	LOC500684	500684	1,05	up
6639399	7240665	1475820	hypothetical protein LOC500684	LOC500684	500684	1,06	up
6646663	7240665	1475828	hypothetical protein LOC500684	LOC500684	500684	1,40	up
6655576	7240665	1475827	hypothetical protein LOC500684	LOC500684	500684	1,05	up
6677097	7240665	1475836	hypothetical protein LOC500684	LOC500684	500684	1,04	down
6714515	7240665	1475837	hypothetical protein LOC500684	LOC500684	500684	1,50	up
5803993	7222960	1430006	hypothetical protein LOC606294	LOC606294	606294	1,44	up
5928969	7222960	1430006	hypothetical protein LOC606294	LOC606294	606294	1,03	up
6001434	7222960	1430009	hypothetical protein LOC606294	LOC606294	606294	1,23	up
6131300	7222960	1430006	hypothetical protein LOC606294	LOC606294	606294	1,14	up
6159906	7222960	1430010	hypothetical protein LOC606294	LOC606294	606294	1,27	down
6176223	7222960	1430013	hypothetical protein LOC606294	LOC606294	606294	1,22	down
6257583	7222960	1430011	hypothetical protein LOC606294	LOC606294	606294	2,12	down
6301741	7222960	1430006	hypothetical protein LOC606294	LOC606294	606294	1,07	up
6343561	7222960	1430014	hypothetical protein LOC606294	LOC606294	606294	1,03	down
6667307	7222960	1430015	hypothetical protein LOC606294	LOC606294	606294	1,50	up
6715914	7222960	1430007	hypothetical protein LOC606294	LOC606294	606294	1,13	down
6226458	7313411	1655438	hypothetical protein LOC679534	LOC679534	679534	1,17	down
6202681	7313411	1655429	hypothetical protein LOC679534 /// similar to FLJ25323 protein	'679534 /// RGD156	679534 /// 500819	1,05	up
6473796	7313411	1655437	hypothetical protein LOC679534 /// similar to FLJ25323 protein	'679534 /// RGD156	679534 /// 500819	2,55	down
6610429	7313411	1655438	hypothetical protein LOC679534 /// similar to FLJ25323 protein	'679534 /// RGD156	679534 /// 500819	1,51	up
5812344	7190524	1351171	hypothetical protein LOC679830	LOC679830	679830	2,76	down
5911896	7190524	1351180	hypothetical protein LOC679830	LOC679830	679830	1,09	down
5914228	7190524	1351182	hypothetical protein LOC679830	LOC679830	679830	1,16	up
6366551	7190524	1351183	hypothetical protein LOC679830	LOC679830	679830	1,23	down
6396156	7190524	1351179	hypothetical protein LOC679830	LOC679830	679830	1,38	up
6425516	7190524	1351171	hypothetical protein LOC679830	LOC679830	679830	1,19	down
6459700	7190524	1351179	hypothetical protein LOC679830	LOC679830	679830	1,09	up
6588860	7190524	1351171	hypothetical protein LOC679830	LOC679830	679830	2,21	down
6639218	7190524	1351174	hypothetical protein LOC679830	LOC679830	679830	1,05	up
6673384	7190524	1351176	hypothetical protein LOC679830	LOC679830	679830	1,08	down
6715023	7190524	1351178	hypothetical protein LOC679830	LOC679830	679830	1,06	up
6741460	7190524	1351181	hypothetical protein LOC679830	LOC679830	679830	1,02	down
5663044	7190524	1351191	hypothetical protein LOC679859	LOC679859	679859	1,03	down
6327681	7190524	1351191	hypothetical protein LOC679859	LOC679859	679859	1,12	down
6416237	7190524	1351190	hypothetical protein LOC679859	LOC679859	679859	1,17	down
5718692	7120010	1177372	hypothetical protein LOC680039	LOC680039	680039	1,01	up
5776806	7120010	1177381	hypothetical protein LOC680039	LOC680039	680039	1,01	up
5834430	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,03	up
5871238	7120010	1177385	hypothetical protein LOC680039	LOC680039	680039	1,06	up
5877104	7120010	1177374	hypothetical protein LOC680039	LOC680039	680039	1,20	up
5883900	7120010	1177386	hypothetical protein LOC680039	LOC680039	680039	1,23	up
6264352	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,18	up
6295152	7120010	1177374	hypothetical protein LOC680039	LOC680039	680039	1,03	up
6465556	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,02	down
6474943	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,37	down

6556411	7120010	1177389	hypothetical protein LOC680039	LOC680039	680039	1,05	down
6682887	7120010	1177388	hypothetical protein LOC680039	LOC680039	680039	1,11	down
6700078	7120010	1177389	hypothetical protein LOC680039	LOC680039	680039	1,09	down
6729337	7120010	1177388	hypothetical protein LOC680039	LOC680039	680039	1,01	up
6742501	7120010	1177382	hypothetical protein LOC680039	LOC680039	680039	2,96	down
5849123	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	1,04	up
5896010	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	1,03	down
6139161	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	1,12	up
6237433	7383655	1828575	hypothetical protein LOC680282	LOC680282	680282	1,12	down
6261381	7383655	1828573	hypothetical protein LOC680282	LOC680282	680282	1,46	down
6743610	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	2,03	down
5752954	7247334	1490821	hypothetical protein LOC680485	LOC680485	680485	1,60	down
5892153	7247334	1490820	hypothetical protein LOC680485	LOC680485	680485	2,10	down
6359761	7247334	1490815	hypothetical protein LOC680485	LOC680485	680485	1,79	up
6542198	7247334	1490813	hypothetical protein LOC680485	LOC680485	680485	1,78	up
6168193	7127691	1195642	hypothetical protein LOC681091	LOC681091	681091	1,14	up
6482027	7127691	1195640	hypothetical protein LOC681091	LOC681091	681091	1,72	up
5670864	7046595	1002396	hypothetical protein LOC681210	MGC94891	681210	1,63	up
5705701	7046595	1002390	hypothetical protein LOC681210	MGC94891	681210	1,25	up
5778057	7046595	1002388	hypothetical protein LOC681210	MGC94891	681210	1,51	down
6256942	7046595	1002393	hypothetical protein LOC681210	MGC94891	681210	2,23	up
6273750	7046595	1002397	hypothetical protein LOC681210	MGC94891	681210	1,00	up
6334707	7046595	1002392	hypothetical protein LOC681210	MGC94891	681210	1,61	up
6368268	7046595	1002394	hypothetical protein LOC681210	MGC94891	681210	1,03	down
6415082	7046595	1002387	hypothetical protein LOC681210	MGC94891	681210	1,74	down
6450317	7046595	1002389	hypothetical protein LOC681210	MGC94891	681210	1,40	up
6652676	7046595	1002391	hypothetical protein LOC681210	MGC94891	681210	1,22	up
6744445	7046595	1002395	hypothetical protein LOC681210	MGC94891	681210	1,25	down
6160245	7369166	1793390	hypothetical protein LOC685594	LOC685594	685594	1,96	down
6365534	7369166	1793391	hypothetical protein LOC685594	LOC685594	685594	2,70	down
5779651	7358048	1764788	hypothetical protein LOC685917	LOC685917	685917	1,14	up
6159983	7358048	1764789	hypothetical protein LOC685917	LOC685917	685917	1,14	down
5795810	7102369	1133434	hypothetical protein LOC687361	LOC687361	687361	1,72	up
6609878	7056333	1023673	hypothetical protein LOC687429	LOC687429	687429	1,47	down
6163693	7031576	964107	hypothetical protein LOC687984	LOC687984	687984	1,08	up
6167963	7031576	964108	hypothetical protein LOC687984	LOC687984	687984	1,12	up
6640447	7031576	964108	hypothetical protein LOC687984	LOC687984	687984	1,10	up
6708789	7031576	964105	hypothetical protein LOC687984	LOC687984	687984	1,39	up
5655841	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,33	down
5746851	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,00	up
5947305	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,11	up
5952729	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,34	down
6002470	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,04	up
6109851	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,09	down
6191055	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,16	down
6397393	7083031	1086278	hypothetical protein LOC688211	LOC688211	688211	1,15	down
6410107	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,22	down
6430566	7083031	1086279	hypothetical protein LOC688211	LOC688211	688211	1,31	up
6448309	7083031	1086291	hypothetical protein LOC688211	LOC688211	688211	1,47	down
6608815	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,02	up
5771533	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,21	down
5903596	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,08	up
6013382	7184850	1337591	hypothetical protein LOC688736	MGC116202	688736	1,03	up
6094964	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,22	up
6104739	7184850	1337595	hypothetical protein LOC688736	MGC116202	688736	1,68	down
6131871	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,09	up

6217450	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,16	down
6354327	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,53	up
6376746	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,19	up
6400625	7184850	1337592	hypothetical protein LOC688736	MGC116202	688736	1,11	down
6505258	7184850	1337594	hypothetical protein LOC688736	MGC116202	688736	2,02	down
6537882	7184850	1337591	hypothetical protein LOC688736	MGC116202	688736	1,10	down
6581182	7184850	1337592	hypothetical protein LOC688736	MGC116202	688736	1,16	down
6658702	7184850	1337595	hypothetical protein LOC688736	MGC116202	688736	1,09	up
6720933	7184850	1337593	hypothetical protein LOC688736	MGC116202	688736	1,12	up
5769954	7267802	1541865	hypothetical protein LOC689252	LOC689252	689252	1,15	down
6131249	7267802	1541873	hypothetical protein LOC689252	LOC689252	689252	1,26	down
6031710	7371446	1800082	hypothetical protein LOC689347 /// similar to spermatogenesis associated glutamyl-689347 /// LOC501 689347 /// 501325	LOC689347	689347	1,28	up
5643780	7290161	1597071	hypothetical protein LOC690079	LOC690079	690079	1,12	up
6085158	7290161	1597070	hypothetical protein LOC690079	LOC690079	690079	1,11	up
6138409	7290161	1597071	hypothetical protein LOC690079	LOC690079	690079	2,09	down
6503630	7290161	1597071	hypothetical protein LOC690079	LOC690079	690079	1,02	down
6537995	7290161	1597071	hypothetical protein LOC690079	LOC690079	690079	1,06	down
6627909	7290161	1597071	hypothetical protein LOC690079	LOC690079	690079	1,26	down
5889491	7299204	1619540	hypothetical protein LOC690208	LOC690208	690208	1,01	down
6619263	7299204	1619538	hypothetical protein LOC690208	LOC690208	690208	2,39	down
6299623	7299204	1619540	hypothetical protein LOC690208 /// similar to B0511.12	LOC690208 /// LOC690208 /// 690217	690208 /// 690217	1,03	down
5654469	7208710	1395895	hypothetical protein LOC690333	LOC690333	690333	1,44	up
5727493	7208710	1395893	hypothetical protein LOC690333	LOC690333	690333	1,02	down
5829701	7208710	1395900	hypothetical protein LOC690333	LOC690333	690333	2,09	down
5943407	7208710	1395895	hypothetical protein LOC690333	LOC690333	690333	1,04	up
6165709	7208710	1395894	hypothetical protein LOC690333	LOC690333	690333	1,05	up
6181372	7208710	1395892	hypothetical protein LOC690333	LOC690333	690333	1,07	down
6237184	7208710	1395895	hypothetical protein LOC690333	LOC690333	690333	1,05	up
6250580	7208710	1395901	hypothetical protein LOC690333	LOC690333	690333	1,48	down
6346733	7208710	1395893	hypothetical protein LOC690333	LOC690333	690333	1,44	up
6714558	7208710	1395893	hypothetical protein LOC690333	LOC690333	690333	1,14	down
6738669	7208710	1395892	hypothetical protein LOC690333	LOC690333	690333	1,48	up
6178340	7280959	1575040	hypothetical protein LOC690449	LOC690449	690449	1,25	down
5848275	7181026	1327837	hypothetical protein LOC690682	LOC690682	690682	1,08	down
6048345	7181026	1327832	hypothetical protein LOC690682	LOC690682	690682	2,34	up
6313993	7032083	965651	hypothetical protein LOC691443	LOC691443	691443	1,01	down
5692263	7231152	1450271	hypothetical protein LOC691543	LOC691543	691543	1,65	up
5714982	7231152	1450277	hypothetical protein LOC691543	LOC691543	691543	1,08	up
5780797	7231152	1450268	hypothetical protein LOC691543	LOC691543	691543	1,24	up
5845122	7231152	1450267	hypothetical protein LOC691543	LOC691543	691543	2,80	up
5935087	7231152	1450273	hypothetical protein LOC691543	LOC691543	691543	2,76	up
6006056	7231152	1450269	hypothetical protein LOC691543	LOC691543	691543	2,58	up
6011877	7231152	1450277	hypothetical protein LOC691543	LOC691543	691543	1,64	up
6092303	7231152	1450264	hypothetical protein LOC691543	LOC691543	691543	1,95	up
6135404	7231152	1450272	hypothetical protein LOC691543	LOC691543	691543	2,62	up
6209316	7231152	1450277	hypothetical protein LOC691543	LOC691543	691543	2,12	up
6213295	7231152	1450274	hypothetical protein LOC691543	LOC691543	691543	1,96	up
6255494	7231152	1450269	hypothetical protein LOC691543	LOC691543	691543	2,90	up
6271899	7231152	1450270	hypothetical protein LOC691543	LOC691543	691543	2,15	up
6254933	7231203	1450389	hypothetical protein LOC691565	LOC691565	691565	1,12	down
6441149	7231203	1450390	hypothetical protein LOC691565	LOC691565	691565	1,46	up
5912891	7337314	1712893	hypothetical protein LOC691572	LOC691572	691572	1,09	down
6173579	7337314	1712894	hypothetical protein LOC691572	LOC691572	691572	1,04	down
6225759	7337314	1712892	hypothetical protein LOC691572	LOC691572	691572	1,15	down
6238163	7337314	1712897	hypothetical protein LOC691572	LOC691572	691572	1,15	up
6350543	7337314	1712894	hypothetical protein LOC691572	LOC691572	691572	1,01	down

6526836	7337314	1712894	hypothetical protein LOC691572	LOC691572	691572	1,05	up
6555111	7337314	1712895	hypothetical protein LOC691572	LOC691572	691572	1,01	down
6569180	7337314	1712896	hypothetical protein LOC691572	LOC691572	691572	2,18	down
6594560	7337314	1712890	hypothetical protein LOC691572	LOC691572	691572	1,42	down
5852425	7370128	1796167	hypothetical protein LOC691783	LOC691783	691783	2,27	up
5773474	7076940	1073085	immunity-related GTPase family, M	Irgm	303090	3,73	down
5941862	7076940	1073085	immunity-related GTPase family, M	Irgm	303090	1,05	down
6167148	7076940	1073086	immunity-related GTPase family, M	Irgm	303090	1,07	up
6366602	7076940	1073085	immunity-related GTPase family, M	Irgm	303090	1,41	up
6412491	7076940	1073086	immunity-related GTPase family, M	Irgm	303090	1,06	down
6517101	7076940	1073087	immunity-related GTPase family, M	Irgm	303090	1,64	down
5689215	7059319	1029966	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,05	up
5751566	7059319	1029968	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,14	up
5759146	7059319	1029972	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,56	down
5852743	7059319	1029969	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,22	down
5876576	7059319	1029966	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,61	down
5944478	7059319	1029970	immunoglobulin mu binding protein 2	Ighmbp2	29532	2,05	up
6074410	7059319	1029975	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,04	up
6174935	7059319	1029977	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,08	down
6191553	7059319	1029976	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,51	down
6222383	7059319	1029971	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,09	down
6227409	7059319	1029967	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,27	down
6498614	7059319	1029978	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,32	up
6563536	7059319	1029974	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,65	down
6578687	7059319	1029973	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,16	down
6629391	7059319	1029964	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,27	up
6636945	7059319	1029965	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,41	up
6704659	7059319	1029966	immunoglobulin mu binding protein 2	Ighmbp2	29532	1,82	down
5653796	7384127	1829639	immunoglobulin superfamily, member 1	Igsf1	302822	1,22	down
5670119	7384127	1829638	immunoglobulin superfamily, member 1	Igsf1	302822	1,34	down
5685235	7384127	1829633	immunoglobulin superfamily, member 1	Igsf1	302822	1,17	down
5705542	7384127	1829636	immunoglobulin superfamily, member 1	Igsf1	302822	1,11	up
5714535	7384127	1829639	immunoglobulin superfamily, member 1	Igsf1	302822	1,41	down
5728022	7384127	1829637	immunoglobulin superfamily, member 1	Igsf1	302822	1,02	down
5782451	7384127	1829626	immunoglobulin superfamily, member 1	Igsf1	302822	1,37	down
5815698	7384127	1829628	immunoglobulin superfamily, member 1	Igsf1	302822	1,16	up
5856538	7384127	1829637	immunoglobulin superfamily, member 1	Igsf1	302822	1,11	down
5926052	7384127	1829625	immunoglobulin superfamily, member 1	Igsf1	302822	1,13	up
5942764	7384127	1829624	immunoglobulin superfamily, member 1	Igsf1	302822	1,05	up
6099488	7384127	1829624	immunoglobulin superfamily, member 1	Igsf1	302822	1,26	down
6110422	7384127	1829632	immunoglobulin superfamily, member 1	Igsf1	302822	1,04	up
6267905	7384127	1829631	immunoglobulin superfamily, member 1	Igsf1	302822	1,20	up
6269235	7384127	1829629	immunoglobulin superfamily, member 1	Igsf1	302822	1,16	down
6298965	7384127	1829636	immunoglobulin superfamily, member 1	Igsf1	302822	1,13	down
6312148	7384127	1829635	immunoglobulin superfamily, member 1	Igsf1	302822	1,51	down
6346071	7384127	1829640	immunoglobulin superfamily, member 1	Igsf1	302822	1,02	up
6429075	7384127	1829621	immunoglobulin superfamily, member 1	Igsf1	302822	2,24	down
6451918	7384127	1829634	immunoglobulin superfamily, member 1	Igsf1	302822	1,24	up
6547217	7384127	1829636	immunoglobulin superfamily, member 1	Igsf1	302822	1,10	down
6562241	7384127	1829627	immunoglobulin superfamily, member 1	Igsf1	302822	1,73	up
6623212	7384127	1829620	immunoglobulin superfamily, member 1	Igsf1	302822	1,01	down
6651256	7384127	1829623	immunoglobulin superfamily, member 1	Igsf1	302822	2,05	up
6691890	7384127	1829632	immunoglobulin superfamily, member 1	Igsf1	302822	1,24	down
6704433	7384127	1829630	immunoglobulin superfamily, member 1	Igsf1	302822	1,30	up
6705760	7384127	1829622	immunoglobulin superfamily, member 1	Igsf1	302822	1,09	up
5718266	7107926	1146838	immunoglobulin superfamily, member 9	Igsf9	304982	1,11	up

5758470	7107926	1146834	immunoglobulin superfamily, member 9	Igsf9	304982	1,59	up
5818250	7107926	1146846	immunoglobulin superfamily, member 9	Igsf9	304982	1,09	up
5839873	7107926	1146845	immunoglobulin superfamily, member 9	Igsf9	304982	1,36	up
5856756	7107926	1146848	immunoglobulin superfamily, member 9	Igsf9	304982	1,12	up
5887547	7107926	1146848	immunoglobulin superfamily, member 9	Igsf9	304982	1,08	up
5892087	7107926	1146842	immunoglobulin superfamily, member 9	Igsf9	304982	1,13	up
5932612	7107926	1146832	immunoglobulin superfamily, member 9	Igsf9	304982	1,51	up
5952971	7107926	1146852	immunoglobulin superfamily, member 9	Igsf9	304982	1,22	down
6039458	7107926	1146828	immunoglobulin superfamily, member 9	Igsf9	304982	1,11	down
6049094	7107926	1146833	immunoglobulin superfamily, member 9	Igsf9	304982	1,17	up
6049389	7107926	1146831	immunoglobulin superfamily, member 9	Igsf9	304982	1,78	up
6062239	7107926	1146828	immunoglobulin superfamily, member 9	Igsf9	304982	1,09	up
6101940	7107926	1146848	immunoglobulin superfamily, member 9	Igsf9	304982	1,91	up
6225666	7107926	1146845	immunoglobulin superfamily, member 9	Igsf9	304982	1,23	up
6410743	7107926	1146836	immunoglobulin superfamily, member 9	Igsf9	304982	1,63	down
6442059	7107926	1146835	immunoglobulin superfamily, member 9	Igsf9	304982	1,21	down
6467535	7107926	1146847	immunoglobulin superfamily, member 9	Igsf9	304982	2,97	down
6477925	7107926	1146844	immunoglobulin superfamily, member 9	Igsf9	304982	1,15	up
6526672	7107926	1146845	immunoglobulin superfamily, member 9	Igsf9	304982	1,11	down
6539944	7107926	1146827	immunoglobulin superfamily, member 9	Igsf9	304982	1,06	down
6543024	7107926	1146826	immunoglobulin superfamily, member 9	Igsf9	304982	1,23	up
6553557	7107926	1146843	immunoglobulin superfamily, member 9	Igsf9	304982	1,01	down
6563890	7107926	1146849	immunoglobulin superfamily, member 9	Igsf9	304982	2,96	down
6615327	7107926	1146851	immunoglobulin superfamily, member 9	Igsf9	304982	1,03	up
6651768	7107926	1146827	immunoglobulin superfamily, member 9	Igsf9	304982	1,30	up
6703683	7107926	1146841	immunoglobulin superfamily, member 9	Igsf9	304982	1,04	down
5686999	7111573	1156013	immunoglobulin-like and fibronectin type III domain containing 1	Igfn1	304823	1,03	down
5704934	7134773	1212971	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,67	up
5766432	7134773	1212970	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,70	up
6329446	7134773	1212971	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,12	up
6457330	7134773	1212966	immunoresponsive 1 homolog (mouse)	Irg1	306127	6,18	down
6472315	7134773	1212972	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,29	up
6618291	7134773	1212968	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,13	up
6700427	7134773	1212969	immunoresponsive 1 homolog (mouse)	Irg1	306127	2,41	up
5877868	7146975	1243268	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	2,56	up
6005325	7146975	1243265	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,24	up
6257329	7146975	1243264	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,62	down
6388956	7146975	1243266	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,79	up
6399413	7146975	1243267	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	2,00	up
6412126	7146975	1243269	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,61	down
6466360	7146975	1243262	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	6,29	down
6499144	7146975	1243269	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,49	up
6509872	7146975	1243263	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,16	up
6689139	7146975	1243262	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	2,93	down
6692536	7146982	1243293	indoleamine-pyrrole 2,3 dioxygenase-like 1	Indol1	681319	2,64	up
5787418	7251608	1501451	inhibitor of growth family, member 3	Ing3	312154	1,14	up
5814696	7251608	1501466	inhibitor of growth family, member 3	Ing3	312154	1,21	down
5967777	7251608	1501452	inhibitor of growth family, member 3	Ing3	312154	1,20	up
5984469	7251608	1501464	inhibitor of growth family, member 3	Ing3	312154	1,14	down
5995520	7251608	1501450	inhibitor of growth family, member 3	Ing3	312154	1,44	up
6055558	7251608	1501460	inhibitor of growth family, member 3	Ing3	312154	1,29	up
6066419	7251608	1501463	inhibitor of growth family, member 3	Ing3	312154	1,15	down
6306919	7251608	1501465	inhibitor of growth family, member 3	Ing3	312154	1,28	up
6359804	7251608	1501462	inhibitor of growth family, member 3	Ing3	312154	1,18	down
6370009	7251608	1501461	inhibitor of growth family, member 3	Ing3	312154	1,12	down
6518685	7251608	1501463	inhibitor of growth family, member 3	Ing3	312154	1,15	up

6647816	7251608	1501462	inhibitor of growth family, member 3	Ing3	312154	1,52	down
6660973	7251608	1501459	inhibitor of growth family, member 3	Ing3	312154	1,24	down
6670018	7251608	1501463	inhibitor of growth family, member 3	Ing3	312154	1,18	down
6691457	7251608	1501453	inhibitor of growth family, member 3	Ing3	312154	1,22	up
6718411	7251608	1501454	inhibitor of growth family, member 3	Ing3	312154	1,91	down
6737472	7251608	1501459	inhibitor of growth family, member 3	Ing3	312154	1,18	down
5643499	7060246	1032088	inner centromere protein	Incenp	293733	1,06	up
5656987	7060246	1032084	inner centromere protein	Incenp	293733	1,17	down
5724972	7060246	1032079	inner centromere protein	Incenp	293733	1,15	down
5738178	7060246	1032088	inner centromere protein	Incenp	293733	1,46	up
5763806	7060246	1032087	inner centromere protein	Incenp	293733	1,00	up
5864168	7060246	1032089	inner centromere protein	Incenp	293733	1,69	up
5893558	7060246	1032078	inner centromere protein	Incenp	293733	1,32	down
5901271	7060246	1032086	inner centromere protein	Incenp	293733	1,60	down
6026550	7060246	1032078	inner centromere protein	Incenp	293733	1,59	down
6048139	7060246	1032080	inner centromere protein	Incenp	293733	1,85	down
6104808	7060246	1032076	inner centromere protein	Incenp	293733	1,46	up
6151417	7060246	1032088	inner centromere protein	Incenp	293733	1,40	up
6261377	7060246	1032091	inner centromere protein	Incenp	293733	1,39	up
6297341	7060246	1032076	inner centromere protein	Incenp	293733	1,60	down
6303470	7060246	1032083	inner centromere protein	Incenp	293733	1,09	down
6341431	7060246	1032081	inner centromere protein	Incenp	293733	1,16	down
6416343	7060246	1032090	inner centromere protein	Incenp	293733	1,10	down
6448627	7060246	1032082	inner centromere protein	Incenp	293733	1,06	down
6493833	7060246	1032074	inner centromere protein	Incenp	293733	1,27	down
6572851	7060246	1032088	inner centromere protein	Incenp	293733	1,18	up
6610816	7060246	1032077	inner centromere protein	Incenp	293733	1,77	down
6614480	7060246	1032075	inner centromere protein	Incenp	293733	2,62	up
6654471	7060246	1032074	inner centromere protein	Incenp	293733	1,03	down
6738131	7060246	1032085	inner centromere protein	Incenp	293733	1,36	down
6187297	7243603	1482255	INO80 homolog (S. cerevisiae)	Ino80	296084	1,32	down
6252424	7243603	1482255	INO80 homolog (S. cerevisiae)	Ino80	296084	1,22	down
5621761	7257111	1515522	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,25	up
5622746	7257111	1515524	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,05	up
5635653	7257111	1515497	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,10	up
5669637	7257111	1515532	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,11	up
5674601	7257111	1515527	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,19	up
5674985	7257111	1515534	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	down
5698991	7257111	1515530	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,13	up
5715918	7257111	1515533	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,09	up
5721609	7257111	1515490	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,13	up
5752521	7257111	1515495	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,15	down
5754535	7257111	1515523	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,06	up
5773911	7257111	1515509	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,11	up
5790799	7257111	1515535	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,03	down
5797315	7257111	1515506	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,09	up
5831482	7257111	1515510	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,15	up
5849054	7257111	1515516	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,54	up
5854545	7257111	1515507	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,08	up
5901853	7257111	1515526	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,33	down
5922338	7257111	1515545	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,37	down
5926800	7257111	1515491	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,24	down
5927635	7257111	1515548	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,14	up
5977239	7257111	1515511	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	2,34	up
6045014	7257111	1515520	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,39	up
6074957	7257111	1515529	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,31	up

6094254	7257111	1515501	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,19	up
6103199	7257111	1515547	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,03	up
6103316	7257111	1515499	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,08	up
6143805	7257111	1515536	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,10	up
6177602	7257111	1515546	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,28	down
6198081	7257111	1515500	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,33	down
6220629	7257111	1515494	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,15	up
6245599	7257111	1515519	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,17	down
6263737	7257111	1515502	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,07	down
6268596	7257111	1515539	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,00	up
6271541	7257111	1515498	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,37	up
6302882	7257111	1515487	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,02	up
6307582	7257111	1515488	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	down
6320808	7257111	1515510	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,62	down
6329852	7257111	1515512	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,14	down
6349109	7257111	1515505	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,05	up
6352721	7257111	1515538	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,19	up
6355736	7257111	1515492	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,91	down
6356471	7257111	1515542	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,22	down
6368535	7257111	1515504	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,08	down
6384137	7257111	1515543	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,03	up
6391607	7257111	1515521	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,09	down
6446710	7257111	1515524	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,05	down
6451332	7257111	1515528	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,52	up
6454192	7257111	1515518	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,33	down
6457839	7257111	1515531	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,08	down
6479290	7257111	1515538	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,11	down
6529672	7257111	1515534	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,37	up
6578976	7257111	1515541	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,18	down
6597522	7257111	1515544	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,10	up
6606770	7257111	1515513	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,69	up
6613603	7257111	1515515	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,25	up
6640128	7257111	1515540	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,37	down
6654084	7257111	1515496	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,38	down
6654695	7257111	1515514	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,07	up
6664457	7257111	1515493	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,37	down
6669912	7257111	1515537	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,23	down
6699950	7257111	1515489	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,30	down
6702570	7257111	1515503	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,26	up
6715032	7257111	1515508	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,46	up
6735410	7257111	1515525	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	down
6741995	7257111	1515517	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,01	down
5631412	7353536	1753545	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,03	up
5642643	7353536	1753546	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,47	up
5683542	7353536	1753561	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,25	up
5757220	7353536	1753552	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,05	up
5765914	7353536	1753570	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,21	up
5797915	7353536	1753567	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,56	up
5842595	7353536	1753566	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,79	down
5921541	7353536	1753550	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,19	up
5984721	7353536	1753554	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,21	up
6010550	7353536	1753559	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,05	down
6030648	7353536	1753560	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	2,50	up
6044803	7353536	1753544	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,02	up
6066590	7353536	1753563	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,15	up
6070009	7353536	1753546	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,45	down

6114877	7353536	1753556	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,15	down
6176194	7353536	1753548	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,30	up
6196127	7353536	1753564	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,10	up
6198756	7353536	1753553	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,38	down
6200670	7353536	1753557	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,36	up
6212012	7353536	1753546	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,09	down
6280630	7353536	1753555	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,03	down
6317641	7353536	1753549	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,27	up
6319347	7353536	1753565	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,00	up
6412415	7353536	1753551	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,02	up
6456274	7353536	1753568	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,20	down
6510096	7353536	1753558	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,05	down
6546052	7353536	1753562	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,11	up
6576615	7353536	1753569	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,33	down
6580388	7353536	1753547	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,24	up
6596085	7353536	1753548	inositol polyphosphate-4-phosphatase, type 1	Inpp4a	80849	1,16	up
6450950	7374143	1807010	insulin receptor substrate 4	Irs4	315350	1,41	up
5691261	7120834	1179364	insulin-like growth factor binding protein 1	Igfbp1	25685	1,04	up
5847621	7120834	1179362	insulin-like growth factor binding protein 1	Igfbp1	25685	2,56	down
5929530	7120834	1179361	insulin-like growth factor binding protein 1	Igfbp1	25685	1,39	up
6181944	7120834	1179360	insulin-like growth factor binding protein 1	Igfbp1	25685	1,01	down
6237947	7120834	1179363	insulin-like growth factor binding protein 1	Igfbp1	25685	1,17	down
6411183	7120834	1179360	insulin-like growth factor binding protein 1	Igfbp1	25685	1,07	down
5618545	7034353	972144	integrator complex subunit 4	Ints4	308837	1,03	up
5625708	7034353	972135	integrator complex subunit 4	Ints4	308837	1,05	up
5627786	7034353	972125	integrator complex subunit 4	Ints4	308837	1,01	up
5662481	7034353	972123	integrator complex subunit 4	Ints4	308837	1,07	down
5708642	7034353	972130	integrator complex subunit 4	Ints4	308837	1,07	up
5779717	7034353	972147	integrator complex subunit 4	Ints4	308837	1,26	down
5792255	7034353	972147	integrator complex subunit 4	Ints4	308837	1,55	down
5838849	7034353	972132	integrator complex subunit 4	Ints4	308837	1,04	down
6083574	7034353	972124	integrator complex subunit 4	Ints4	308837	1,01	down
6117269	7034353	972133	integrator complex subunit 4	Ints4	308837	1,07	up
6126466	7034353	972136	integrator complex subunit 4	Ints4	308837	1,08	down
6130931	7034353	972145	integrator complex subunit 4	Ints4	308837	1,04	up
6176211	7034353	972143	integrator complex subunit 4	Ints4	308837	2,49	down
6200653	7034353	972146	integrator complex subunit 4	Ints4	308837	1,11	down
6237460	7034353	972134	integrator complex subunit 4	Ints4	308837	1,35	down
6246787	7034353	972129	integrator complex subunit 4	Ints4	308837	1,05	down
6268726	7034353	972131	integrator complex subunit 4	Ints4	308837	1,09	up
6281347	7034353	972147	integrator complex subunit 4	Ints4	308837	1,01	down
6318069	7034353	972126	integrator complex subunit 4	Ints4	308837	1,15	up
6433456	7034353	972140	integrator complex subunit 4	Ints4	308837	1,09	up
6550229	7034353	972142	integrator complex subunit 4	Ints4	308837	1,22	down
6606283	7034353	972122	integrator complex subunit 4	Ints4	308837	1,09	up
6607072	7034353	972141	integrator complex subunit 4	Ints4	308837	1,78	down
6676464	7034353	972128	integrator complex subunit 4	Ints4	308837	1,28	up
6700333	7034353	972137	integrator complex subunit 4	Ints4	308837	1,22	down
5789129	7139026	1223514	integrator complex subunit 6	Ints6	361057	1,86	up
5943286	7139026	1223520	integrator complex subunit 6	Ints6	361057	2,30	up
6053785	7139026	1223510	integrator complex subunit 6	Ints6	361057	1,23	down
6098652	7139026	1223509	integrator complex subunit 6	Ints6	361057	1,36	up
6161750	7139026	1223517	integrator complex subunit 6	Ints6	361057	1,41	up
6264397	7139026	1223513	integrator complex subunit 6	Ints6	361057	1,09	down
6292591	7139026	1223516	integrator complex subunit 6	Ints6	361057	1,19	down
6329945	7139026	1223514	integrator complex subunit 6	Ints6	361057	1,11	up

6418461	7139026	1223514	integrator complex subunit 6	Ints6	361057	1,13	up
6652106	7139026	1223512	integrator complex subunit 6	Ints6	361057	1,65	down
5705979	7311937	1651995	integrin alpha 7	Itga7	81008	1,08	down
5748215	7311937	1652001	integrin alpha 7	Itga7	81008	1,09	down
5767798	7311937	1652011	integrin alpha 7	Itga7	81008	1,01	down
5771722	7311937	1651994	integrin alpha 7	Itga7	81008	1,01	down
5778960	7311937	1651996	integrin alpha 7	Itga7	81008	1,10	up
5875492	7311937	1652008	integrin alpha 7	Itga7	81008	2,18	up
5877289	7311937	1651992	integrin alpha 7	Itga7	81008	1,02	up
5899743	7311937	1652005	integrin alpha 7	Itga7	81008	1,20	up
5936914	7311937	1651986	integrin alpha 7	Itga7	81008	1,13	up
5943041	7311937	1652010	integrin alpha 7	Itga7	81008	2,00	down
5972950	7311937	1652010	integrin alpha 7	Itga7	81008	1,35	up
6027122	7311937	1651985	integrin alpha 7	Itga7	81008	1,14	up
6057013	7311937	1651991	integrin alpha 7	Itga7	81008	1,01	up
6091867	7311937	1652007	integrin alpha 7	Itga7	81008	2,16	down
6134559	7311937	1651998	integrin alpha 7	Itga7	81008	1,18	down
6213788	7311937	1651997	integrin alpha 7	Itga7	81008	1,75	up
6230037	7311937	1652004	integrin alpha 7	Itga7	81008	1,11	down
6248388	7311937	1651985	integrin alpha 7	Itga7	81008	1,06	down
6314880	7311937	1652011	integrin alpha 7	Itga7	81008	1,39	down
6348855	7311937	1651987	integrin alpha 7	Itga7	81008	1,03	up
6466763	7311937	1651999	integrin alpha 7	Itga7	81008	1,12	up
6503812	7311937	1652006	integrin alpha 7	Itga7	81008	1,07	up
6526730	7311937	1652003	integrin alpha 7	Itga7	81008	1,57	up
6562415	7311937	1651990	integrin alpha 7	Itga7	81008	1,10	down
6583449	7311937	1651988	integrin alpha 7	Itga7	81008	1,11	down
6592260	7311937	1652009	integrin alpha 7	Itga7	81008	1,15	up
6599599	7311937	1651989	integrin alpha 7	Itga7	81008	1,01	up
6602034	7311937	1651993	integrin alpha 7	Itga7	81008	1,06	up
6642392	7311937	1652000	integrin alpha 7	Itga7	81008	1,02	down
6650702	7311937	1652002	integrin alpha 7	Itga7	81008	1,11	down
5854094	7341253	1723317	integrin alpha 9	Itga9	685004	1,00	down
5630721	7036975	978046	integrin alpha L	Itgal	308995	1,12	up
5633157	7036975	978051	integrin alpha L	Itgal	308995	1,25	down
5634292	7036975	978055	integrin alpha L	Itgal	308995	1,21	up
5640442	7036975	978038	integrin alpha L	Itgal	308995	1,17	down
5654849	7036975	978047	integrin alpha L	Itgal	308995	1,17	up
5669308	7036975	978060	integrin alpha L	Itgal	308995	1,47	down
5696950	7036975	978059	integrin alpha L	Itgal	308995	1,35	down
5700061	7036975	978052	integrin alpha L	Itgal	308995	1,51	down
5721086	7036975	978068	integrin alpha L	Itgal	308995	2,33	down
5737388	7036975	978045	integrin alpha L	Itgal	308995	1,00	up
5842730	7036975	978053	integrin alpha L	Itgal	308995	1,54	down
5881307	7036975	978061	integrin alpha L	Itgal	308995	1,16	down
5931638	7036975	978063	integrin alpha L	Itgal	308995	1,21	up
5950408	7036975	978032	integrin alpha L	Itgal	308995	1,12	up
6026374	7036975	978034	integrin alpha L	Itgal	308995	1,06	up
6034948	7036975	978065	integrin alpha L	Itgal	308995	1,04	down
6048491	7036975	978039	integrin alpha L	Itgal	308995	1,36	down
6118182	7036975	978044	integrin alpha L	Itgal	308995	1,28	down
6156703	7036975	978041	integrin alpha L	Itgal	308995	1,30	up
6232407	7036975	978033	integrin alpha L	Itgal	308995	1,15	up
6364444	7036975	978043	integrin alpha L	Itgal	308995	1,07	up
6365379	7036975	978066	integrin alpha L	Itgal	308995	1,54	down
6451368	7036975	978068	integrin alpha L	Itgal	308995	1,40	down

6473299	7036975	978035	integrin alpha L	Itgal	308995	1,44	up
6490914	7036975	978035	integrin alpha L	Itgal	308995	1,19	up
6548317	7036975	978056	integrin alpha L	Itgal	308995	1,83	up
6577502	7036975	978051	integrin alpha L	Itgal	308995	1,18	down
6610961	7036975	978049	integrin alpha L	Itgal	308995	1,37	down
6619027	7036975	978048	integrin alpha L	Itgal	308995	1,13	down
6634770	7036975	978062	integrin alpha L	Itgal	308995	1,33	up
6638661	7036975	978067	integrin alpha L	Itgal	308995	1,69	down
6682110	7036975	978042	integrin alpha L	Itgal	308995	1,28	up
6706458	7036975	978057	integrin alpha L	Itgal	308995	1,17	up
5640806	7221552	1426620	integrin beta 2	Itgb2	309684	1,10	up
5716992	7221552	1426608	integrin beta 2	Itgb2	309684	1,62	up
5749207	7221552	1426607	integrin beta 2	Itgb2	309684	1,09	down
5812967	7221552	1426613	integrin beta 2	Itgb2	309684	1,04	up
5956164	7221552	1426609	integrin beta 2	Itgb2	309684	1,04	up
6017204	7221552	1426612	integrin beta 2	Itgb2	309684	2,11	up
6141050	7221552	1426607	integrin beta 2	Itgb2	309684	1,18	down
6143738	7221552	1426622	integrin beta 2	Itgb2	309684	1,10	up
6207839	7221552	1426616	integrin beta 2	Itgb2	309684	1,11	down
6287547	7221552	1426615	integrin beta 2	Itgb2	309684	1,07	down
6394296	7221552	1426610	integrin beta 2	Itgb2	309684	1,15	up
6396706	7221552	1426620	integrin beta 2	Itgb2	309684	1,11	up
6422127	7221552	1426615	integrin beta 2	Itgb2	309684	1,12	up
6460187	7221552	1426610	integrin beta 2	Itgb2	309684	1,03	down
6507701	7221552	1426617	integrin beta 2	Itgb2	309684	1,93	down
6609785	7221552	1426618	integrin beta 2	Itgb2	309684	1,86	up
6616784	7221552	1426619	integrin beta 2	Itgb2	309684	1,01	down
6622261	7221552	1426614	integrin beta 2	Itgb2	309684	1,26	up
6688029	7221552	1426611	integrin beta 2	Itgb2	309684	1,06	down
6740179	7221552	1426615	integrin beta 2	Itgb2	309684	1,86	down
5631726	7073691	1065242	integrin beta 4	Itgb4	25724	1,13	up
5650295	7073691	1065247	integrin beta 4	Itgb4	25724	1,01	down
5661534	7073691	1065230	integrin beta 4	Itgb4	25724	1,06	up
5675560	7073691	1065223	integrin beta 4	Itgb4	25724	1,27	down
5704564	7073691	1065246	integrin beta 4	Itgb4	25724	1,28	up
5788922	7073691	1065255	integrin beta 4	Itgb4	25724	1,19	up
5808148	7073691	1065253	integrin beta 4	Itgb4	25724	1,08	up
5833131	7073691	1065236	integrin beta 4	Itgb4	25724	1,05	down
5860928	7073691	1065245	integrin beta 4	Itgb4	25724	1,74	up
5869597	7073691	1065234	integrin beta 4	Itgb4	25724	1,48	up
5956303	7073691	1065252	integrin beta 4	Itgb4	25724	1,00	up
5981083	7073691	1065227	integrin beta 4	Itgb4	25724	1,04	down
6005867	7073691	1065248	integrin beta 4	Itgb4	25724	1,17	up
6017012	7073691	1065222	integrin beta 4	Itgb4	25724	1,00	down
6041836	7073691	1065224	integrin beta 4	Itgb4	25724	1,44	down
6051643	7073691	1065217	integrin beta 4	Itgb4	25724	1,11	up
6089132	7073691	1065225	integrin beta 4	Itgb4	25724	1,34	down
6149365	7073691	1065239	integrin beta 4	Itgb4	25724	2,01	down
6154943	7073691	1065231	integrin beta 4	Itgb4	25724	1,03	up
6159076	7073691	1065241	integrin beta 4	Itgb4	25724	1,10	up
6198100	7073691	1065226	integrin beta 4	Itgb4	25724	1,18	up
6257764	7073691	1065244	integrin beta 4	Itgb4	25724	1,00	up
6263599	7073691	1065228	integrin beta 4	Itgb4	25724	1,54	up
6284505	7073691	1065251	integrin beta 4	Itgb4	25724	1,47	down
6318739	7073691	1065229	integrin beta 4	Itgb4	25724	1,04	up
6325278	7073691	1065218	integrin beta 4	Itgb4	25724	1,07	down

6398383	7073691	1065243	integrin beta 4	Itgb4	25724	1,05	down
6503457	7073691	1065238	integrin beta 4	Itgb4	25724	1,37	down
6507561	7073691	1065219	integrin beta 4	Itgb4	25724	1,42	down
6511677	7073691	1065250	integrin beta 4	Itgb4	25724	1,26	up
6548262	7073691	1065240	integrin beta 4	Itgb4	25724	1,57	up
6593975	7073691	1065232	integrin beta 4	Itgb4	25724	1,26	down
6604280	7073691	1065249	integrin beta 4	Itgb4	25724	1,64	down
6612976	7073691	1065233	integrin beta 4	Itgb4	25724	1,18	up
6614126	7073691	1065235	integrin beta 4	Itgb4	25724	1,04	up
6665402	7073691	1065221	integrin beta 4	Itgb4	25724	1,19	down
6674058	7073691	1065237	integrin beta 4	Itgb4	25724	1,82	up
6681998	7073691	1065220	integrin beta 4	Itgb4	25724	1,04	up
6717352	7073691	1065254	integrin beta 4	Itgb4	25724	1,52	down
5729425	7239369	1472214	integrin, beta 6	Itgb6	311061	1,06	down
5765638	7239369	1472215	integrin, beta 6	Itgb6	311061	1,47	down
5769483	7239369	1472213	integrin, beta 6	Itgb6	311061	1,19	down
5908590	7239369	1472212	integrin, beta 6	Itgb6	311061	1,10	up
6000214	7239369	1472210	integrin, beta 6	Itgb6	311061	1,29	down
6078712	7239369	1472209	integrin, beta 6	Itgb6	311061	1,24	up
6106032	7239369	1472209	integrin, beta 6	Itgb6	311061	1,52	up
6140412	7239369	1472217	integrin, beta 6	Itgb6	311061	1,62	down
6167055	7239369	1472208	integrin, beta 6	Itgb6	311061	1,32	down
6179662	7239369	1472217	integrin, beta 6	Itgb6	311061	1,26	up
6195577	7239369	1472206	integrin, beta 6	Itgb6	311061	1,08	up
6373149	7239369	1472207	integrin, beta 6	Itgb6	311061	2,60	down
6433583	7239369	1472205	integrin, beta 6	Itgb6	311061	1,50	down
6464030	7239369	1472211	integrin, beta 6	Itgb6	311061	1,22	up
6645708	7239369	1472216	integrin, beta 6	Itgb6	311061	1,29	up
6671338	7239369	1472219	integrin, beta 6	Itgb6	311061	1,23	up
6702902	7239369	1472218	integrin, beta 6	Itgb6	311061	1,12	down
5810668	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	3,41	up
5886652	7045955	1000740	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	2,06	up
5903140	7045955	1000747	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	1,67	up
5908286	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	1,19	down
5983216	7045955	1000745	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	1,01	down
6011612	7045955	1000737	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	2,51	up
6066641	7045955	1000740	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	2,85	up
6146668	7045955	1000749	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	4,14	up
6194989	7045955	1000748	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	2,08	up
6269323	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	1,74	up
6321260	7045955	1000754	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	3,36	down
6491124	7045955	1000737	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	3,84	down
6504211	7045955	1000754	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	3,55	down
6604684	7045955	1000752	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	1,74	down
6613630	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcf1	361474	1,42	up
5640225	7333460	1703633	intercellular adhesion molecule 1	Icam1	25464	1,22	down
5646659	7333460	1703629	intercellular adhesion molecule 1	Icam1	25464	1,09	down
5757177	7333460	1703627	intercellular adhesion molecule 1	Icam1	25464	1,11	up
5837747	7333460	1703628	intercellular adhesion molecule 1	Icam1	25464	1,01	up
6064524	7333460	1703632	intercellular adhesion molecule 1	Icam1	25464	6,85	up
6105288	7333460	1703631	intercellular adhesion molecule 1	Icam1	25464	2,03	down
6137107	7333460	1703626	intercellular adhesion molecule 1	Icam1	25464	1,10	up
6465284	7333460	1703630	intercellular adhesion molecule 1	Icam1	25464	1,49	up
6472158	7333460	1703625	intercellular adhesion molecule 1	Icam1	25464	1,74	down
6530440	7333460	1703626	intercellular adhesion molecule 1	Icam1	25464	1,02	down
6663738	7333460	1703624	intercellular adhesion molecule 1	Icam1	25464	5,93	down

5867799	7086751	1094637	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,28	down
5875433	7086751	1094626	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,32	up
5989636	7086751	1094628	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,13	down
6207356	7086751	1094633	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,16	up
6263024	7086751	1094640	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,10	up
6267542	7086751	1094631	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,44	up
6331707	7086751	1094635	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,50	down
6435745	7086751	1094641	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,19	down
6477758	7086751	1094626	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,09	up
6494324	7086751	1094641	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,80	down
6508079	7086751	1094628	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,40	up
6587998	7086751	1094626	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,48	down
6609690	7086751	1094641	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,27	up
6609972	7086751	1094641	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,12	up
6650413	7086751	1094638	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,16	up
6668336	7086751	1094627	interferon (alpha and beta) receptor 1	Ifnar1	288264	1,46	up
6702814	7086751	1094630	interferon (alpha and beta) receptor 1	Ifnar1	288264	2,23	up
5790369	7067089	1048925	interferon gamma inducible protein 47	Ifi47	246208	1,85	up
5966964	7067089	1048925	interferon gamma inducible protein 47	Ifi47	246208	1,05	up
5975949	7067089	1048926	interferon gamma inducible protein 47	Ifi47	246208	1,07	up
6244516	7067089	1048924	interferon gamma inducible protein 47	Ifi47	246208	3,74	down
6681560	7067089	1048925	interferon gamma inducible protein 47	Ifi47	246208	1,35	up
5631659	7067595	1050154	interferon regulatory factor 1	Irf1	24508	1,23	down
5670836	7067595	1050148	interferon regulatory factor 1	Irf1	24508	1,10	up
5705927	7067595	1050153	interferon regulatory factor 1	Irf1	24508	1,12	down
5724920	7067595	1050150	interferon regulatory factor 1	Irf1	24508	1,03	down
5865012	7067595	1050155	interferon regulatory factor 1	Irf1	24508	1,31	up
6010551	7067595	1050156	interferon regulatory factor 1	Irf1	24508	1,18	down
6095845	7067595	1050147	interferon regulatory factor 1	Irf1	24508	2,17	up
6353899	7067595	1050152	interferon regulatory factor 1	Irf1	24508	1,19	down
6400967	7067595	1050151	interferon regulatory factor 1	Irf1	24508	1,23	up
6525703	7067595	1050147	interferon regulatory factor 1	Irf1	24508	1,93	down
6527640	7067595	1050149	interferon regulatory factor 1	Irf1	24508	1,16	down
5653623	7293880	1605898	interferon, alpha-inducible protein (clone IFI-15K)	G1p2	298693	4,17	down
5849956	7293880	1605899	interferon, alpha-inducible protein (clone IFI-15K)	G1p2	298693	1,07	up
6665757	7293880	1605898	interferon, alpha-inducible protein (clone IFI-15K)	G1p2	298693	2,46	up
5679435	7215722	1412260	interferon-induced protein 44	Ifi44	310969	1,13	down
5747588	7215722	1412269	interferon-induced protein 44	Ifi44	310969	1,58	up
5842249	7215722	1412264	interferon-induced protein 44	Ifi44	310969	1,43	up
5864289	7215722	1412269	interferon-induced protein 44	Ifi44	310969	2,07	up
5868049	7215722	1412263	interferon-induced protein 44	Ifi44	310969	2,18	up
5963580	7215722	1412260	interferon-induced protein 44	Ifi44	310969	1,18	down
6097166	7215722	1412270	interferon-induced protein 44	Ifi44	310969	3,16	down
6184026	7215722	1412268	interferon-induced protein 44	Ifi44	310969	1,49	up
6234758	7215722	1412267	interferon-induced protein 44	Ifi44	310969	1,98	down
6377285	7215722	1412269	interferon-induced protein 44	Ifi44	310969	1,63	up
6468757	7215722	1412270	interferon-induced protein 44	Ifi44	310969	1,82	down
6513850	7215722	1412261	interferon-induced protein 44	Ifi44	310969	1,38	up
6545369	7215722	1412260	interferon-induced protein 44	Ifi44	310969	1,41	down
6586895	7215722	1412262	interferon-induced protein 44	Ifi44	310969	1,15	up
6731623	7215722	1412269	interferon-induced protein 44	Ifi44	310969	2,38	up
6740143	7215722	1412260	interferon-induced protein 44	Ifi44	310969	2,19	down
5856184	7041465	989111	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	1,72	down
5967365	7041465	989112	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	5,23	up
6323553	7041465	989112	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	1,65	up
6336777	7041465	989111	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	1,45	down

6071816	7041467	989117	interferon-induced protein with tetratricopeptide repeats 3	Ifit3	309526	1,23	up
6175162	7041467	989116	interferon-induced protein with tetratricopeptide repeats 3	Ifit3	309526	2,66	up
6287495	7041467	989115	interferon-induced protein with tetratricopeptide repeats 3	Ifit3	309526	3,20	down
5639168	7353809	1754149	interleukin 1 receptor, type II	Il1r2	117022	1,18	down
5761209	7353809	1754148	interleukin 1 receptor, type II	Il1r2	117022	1,39	down
5774975	7353809	1754150	interleukin 1 receptor, type II	Il1r2	117022	1,02	down
5867827	7353809	1754146	interleukin 1 receptor, type II	Il1r2	117022	1,07	down
5890744	7353809	1754152	interleukin 1 receptor, type II	Il1r2	117022	1,03	up
5973117	7353809	1754146	interleukin 1 receptor, type II	Il1r2	117022	1,43	down
5986927	7353809	1754145	interleukin 1 receptor, type II	Il1r2	117022	2,04	up
6129588	7353809	1754151	interleukin 1 receptor, type II	Il1r2	117022	1,06	up
6249165	7353809	1754145	interleukin 1 receptor, type II	Il1r2	117022	1,16	up
6310721	7353809	1754152	interleukin 1 receptor, type II	Il1r2	117022	1,02	up
6489934	7353809	1754147	interleukin 1 receptor, type II	Il1r2	117022	1,19	down
6733724	7353809	1754146	interleukin 1 receptor, type II	Il1r2	117022	1,23	down
5720501	7378996	1818601	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,72	down
5757100	7378996	1818604	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,08	up
5777761	7378996	1818599	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,19	up
5930764	7378996	1818596	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,18	down
5971870	7378996	1818600	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,00	up
6013481	7378996	1818605	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,08	up
6053292	7378996	1818610	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,02	up
6127638	7378996	1818602	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,05	down
6530824	7378996	1818596	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,17	down
6569195	7378996	1818606	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,14	up
6623696	7378996	1818614	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,14	up
6723639	7378996	1818598	interleukin 13 receptor, alpha 1	Il13ra1	252963	1,26	down
5648320	7180064	1325051	interleukin 15	Il15	25670	2,25	down
5856391	7180064	1325052	interleukin 15	Il15	25670	1,44	up
5858117	7180064	1325053	interleukin 15	Il15	25670	1,71	down
5877860	7180064	1325052	interleukin 15	Il15	25670	1,14	down
6170178	7180064	1325048	interleukin 15	Il15	25670	1,07	up
6214446	7180064	1325050	interleukin 15	Il15	25670	1,19	up
6252968	7180064	1325047	interleukin 15	Il15	25670	1,35	down
6346734	7180064	1325050	interleukin 15	Il15	25670	1,16	up
6373298	7180064	1325046	interleukin 15	Il15	25670	1,41	up
6608886	7180064	1325054	interleukin 15	Il15	25670	3,06	down
6619104	7180064	1325045	interleukin 15	Il15	25670	3,98	down
6745272	7180064	1325049	interleukin 15	Il15	25670	1,62	up
5857595	7257976	1517704	interleukin 17 receptor A	Il17ra	312679	1,18	up
5984304	7257976	1517697	interleukin 17 receptor A	Il17ra	312679	1,10	down
6122011	7257976	1517700	interleukin 17 receptor A	Il17ra	312679	1,10	up
6183635	7257976	1517709	interleukin 17 receptor A	Il17ra	312679	1,22	up
6252032	7257976	1517703	interleukin 17 receptor A	Il17ra	312679	1,07	down
6274953	7257976	1517708	interleukin 17 receptor A	Il17ra	312679	1,20	down
6323077	7257976	1517701	interleukin 17 receptor A	Il17ra	312679	1,46	up
6344930	7257976	1517707	interleukin 17 receptor A	Il17ra	312679	1,32	up
6373251	7257976	1517710	interleukin 17 receptor A	Il17ra	312679	1,06	down
6538807	7257976	1517698	interleukin 17 receptor A	Il17ra	312679	1,34	up
6576094	7257976	1517702	interleukin 17 receptor A	Il17ra	312679	1,13	down
6674997	7257976	1517699	interleukin 17 receptor A	Il17ra	312679	1,05	up
5728665	7257404	1516165	interleukin 17 receptor E	Il17re	362417	1,47	down
5783347	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,07	down
5845755	7257404	1516167	interleukin 17 receptor E	Il17re	362417	1,06	down
5847859	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,04	up
5862082	7257404	1516166	interleukin 17 receptor E	Il17re	362417	1,13	down

5874328	7257404	1516174	interleukin 17 receptor E	Il17re	362417	1,09	down
5971661	7257404	1516173	interleukin 17 receptor E	Il17re	362417	1,21	up
6003327	7257404	1516170	interleukin 17 receptor E	Il17re	362417	1,02	down
6100662	7257404	1516171	interleukin 17 receptor E	Il17re	362417	1,10	up
6140258	7257404	1516169	interleukin 17 receptor E	Il17re	362417	1,06	up
6162434	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,19	up
6188851	7257404	1516167	interleukin 17 receptor E	Il17re	362417	1,12	up
6256895	7257404	1516168	interleukin 17 receptor E	Il17re	362417	1,02	up
6260339	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,24	down
6314030	7257404	1516167	interleukin 17 receptor E	Il17re	362417	1,09	down
6422950	7257404	1516177	interleukin 17 receptor E	Il17re	362417	2,18	down
6508470	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,61	up
6511776	7257404	1516175	interleukin 17 receptor E	Il17re	362417	1,20	up
6516065	7257404	1516172	interleukin 17 receptor E	Il17re	362417	1,14	up
6718656	7257404	1516176	interleukin 17 receptor E	Il17re	362417	1,39	down
5775261	7055111	1020954	interleukin 18 binding protein	Il18bp	84388	3,65	down
5996430	7055111	1020955	interleukin 18 binding protein	Il18bp	84388	1,31	up
6297372	7055111	1020957	interleukin 18 binding protein	Il18bp	84388	1,12	up
6566023	7055111	1020956	interleukin 18 binding protein	Il18bp	84388	1,38	down
6685678	7055111	1020956	interleukin 18 binding protein	Il18bp	84388	1,59	up
6703233	7055111	1020958	interleukin 18 binding protein	Il18bp	84388	2,22	down
5628954	7025363	949486	interleukin 20 receptor, alpha	Il20ra	308716	1,49	down
5638442	7025363	949484	interleukin 20 receptor, alpha	Il20ra	308716	1,67	down
5669752	7025363	949483	interleukin 20 receptor, alpha	Il20ra	308716	1,23	up
5688187	7025363	949488	interleukin 20 receptor, alpha	Il20ra	308716	2,13	up
5924812	7025363	949487	interleukin 20 receptor, alpha	Il20ra	308716	1,46	down
5948671	7025363	949488	interleukin 20 receptor, alpha	Il20ra	308716	1,43	down
6182512	7025363	949480	interleukin 20 receptor, alpha	Il20ra	308716	1,21	up
6364303	7025363	949488	interleukin 20 receptor, alpha	Il20ra	308716	1,24	up
6482678	7025363	949475	interleukin 20 receptor, alpha	Il20ra	308716	1,28	up
6600662	7025363	949487	interleukin 20 receptor, alpha	Il20ra	308716	1,05	down
6722620	7025363	949485	interleukin 20 receptor, alpha	Il20ra	308716	1,09	up
5683898	7179914	1324724	interleukin 27 receptor, alpha	Il27ra	288905	1,10	down
5745170	7179914	1324712	interleukin 27 receptor, alpha	Il27ra	288905	1,13	up
5809342	7179914	1324710	interleukin 27 receptor, alpha	Il27ra	288905	1,64	up
5826995	7179914	1324713	interleukin 27 receptor, alpha	Il27ra	288905	1,48	down
5866510	7179914	1324716	interleukin 27 receptor, alpha	Il27ra	288905	1,47	down
5878066	7179914	1324724	interleukin 27 receptor, alpha	Il27ra	288905	1,01	down
5908316	7179914	1324711	interleukin 27 receptor, alpha	Il27ra	288905	1,22	up
5957830	7179914	1324715	interleukin 27 receptor, alpha	Il27ra	288905	1,23	down
6041053	7179914	1324723	interleukin 27 receptor, alpha	Il27ra	288905	1,02	up
6058337	7179914	1324721	interleukin 27 receptor, alpha	Il27ra	288905	1,23	down
6109864	7179914	1324724	interleukin 27 receptor, alpha	Il27ra	288905	1,09	up
6251282	7179914	1324714	interleukin 27 receptor, alpha	Il27ra	288905	1,13	up
6472361	7179914	1324720	interleukin 27 receptor, alpha	Il27ra	288905	2,67	down
6595485	7179914	1324710	interleukin 27 receptor, alpha	Il27ra	288905	1,06	up
5866617	7100909	1129752	interleukin 3 receptor, alpha	Il3ra	246144	2,12	up
5955831	7100909	1129751	interleukin 3 receptor, alpha	Il3ra	246144	1,09	down
6190571	7100909	1129756	interleukin 3 receptor, alpha	Il3ra	246144	1,16	down
6227402	7100909	1129755	interleukin 3 receptor, alpha	Il3ra	246144	1,52	up
6330591	7100909	1129756	interleukin 3 receptor, alpha	Il3ra	246144	1,01	down
6364485	7100909	1129756	interleukin 3 receptor, alpha	Il3ra	246144	1,15	down
6444733	7100909	1129750	interleukin 3 receptor, alpha	Il3ra	246144	1,21	up
6510671	7100909	1129750	interleukin 3 receptor, alpha	Il3ra	246144	1,02	down
6616320	7100909	1129756	interleukin 3 receptor, alpha	Il3ra	246144	1,09	down
6675065	7100909	1129753	interleukin 3 receptor, alpha	Il3ra	246144	1,14	down

6717270	7100909	1129754	interleukin 3 receptor, alpha	Il3ra	246144	1,25	down
6421333	7203872	1384777	interleukin 31 receptor A	Il31ra	688622	1,06	down
5738505	7086772	1094745	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,41	down
5799975	7086772	1094762	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,03	up
5813683	7086772	1094748	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,54	down
5826295	7086772	1094746	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,28	up
5838820	7086772	1094756	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,20	down
5861468	7086772	1094757	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,24	up
5890455	7086772	1094747	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,12	down
5901444	7086772	1094743	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,04	up
5904817	7086772	1094739	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,09	up
6139186	7086772	1094736	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,05	up
6242893	7086772	1094736	intersectin 1 (SH3 domain protein)	Itsn1	29491	2,02	up
6266640	7086772	1094741	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,11	down
6280874	7086772	1094751	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,12	up
6296059	7086772	1094758	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,05	up
6296087	7086772	1094749	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,08	down
6310155	7086772	1094763	intersectin 1 (SH3 domain protein)	Itsn1	29491	2,52	up
6330021	7086772	1094744	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,26	up
6332897	7086772	1094744	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,04	down
6371317	7086772	1094754	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,06	down
6377075	7086772	1094738	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,26	down
6407981	7086772	1094745	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,19	down
6429205	7086772	1094742	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,30	up
6448089	7086772	1094759	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,06	down
6464960	7086772	1094753	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,28	up
6520905	7086772	1094761	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,04	down
6597304	7086772	1094752	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,38	up
6623039	7086772	1094755	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,22	down
6658347	7086772	1094760	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,55	down
6663691	7086772	1094750	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,03	down
6674436	7086772	1094740	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,18	up
6713447	7086772	1094737	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,38	down
6738947	7086772	1094744	intersectin 1 (SH3 domain protein)	Itsn1	29491	1,07	up
5646605	7235076	1461033	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,32	down
5779227	7235076	1461033	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,30	down
5826148	7235076	1461019	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	2,60	down
5845460	7235076	1461021	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,07	down
5854070	7235076	1461032	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,07	down
5874630	7235076	1461025	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,46	up
5981286	7235076	1461033	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,94	down
6046278	7235076	1461027	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,03	down
6189116	7235076	1461024	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,39	up
6267824	7235076	1461026	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,08	up
6274900	7235076	1461028	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,25	up
6301326	7235076	1461023	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,01	down
6351701	7235076	1461030	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,06	down
6398498	7235076	1461022	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,30	up
6702421	7235076	1461020	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,24	up
5696801	7132263	1206922	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,56	up
5705196	7132263	1206898	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,28	down
5789413	7132263	1206896	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,57	up
5791569	7132263	1206922	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,64	up
5864626	7132263	1206914	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,05	down
5878088	7132263	1206904	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,05	down
5890071	7132263	1206891	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,05	down

5911128	7132263	1206899	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,12	up
6011079	7132263	1206920	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,14	up
6098899	7132263	1206900	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,22	up
6110373	7132263	1206901	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,11	down
6223241	7132263	1206912	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,31	up
6246912	7132263	1206902	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,05	down
6290216	7132263	1206913	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,21	down
6335325	7132263	1206906	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,78	down
6346401	7132263	1206894	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,41	down
6405713	7132263	1206895	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,08	down
6478163	7132263	1206908	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,37	down
6514534	7132263	1206911	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,07	down
6533414	7132263	1206915	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,12	up
6536185	7132263	1206897	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,34	up
6596979	7132263	1206890	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,32	up
6597192	7132263	1206922	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,14	down
6619216	7132263	1206899	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,30	down
6632089	7132263	1206903	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,07	up
6650048	7132263	1206917	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,02	down
6688980	7132263	1206909	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,31	down
6695500	7132263	1206893	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	3,15	up
5715338	7292953	1603693	invasion inhibitory protein 45	Iip45	298643	1,00	up
5758519	7292953	1603703	invasion inhibitory protein 45	Iip45	298643	1,23	down
5770819	7292953	1603693	invasion inhibitory protein 45	Iip45	298643	1,03	down
5782257	7292953	1603697	invasion inhibitory protein 45	Iip45	298643	1,06	up
5823717	7292953	1603700	invasion inhibitory protein 45	Iip45	298643	1,80	down
5857736	7292953	1603704	invasion inhibitory protein 45	Iip45	298643	1,10	down
5982703	7292953	1603698	invasion inhibitory protein 45	Iip45	298643	1,50	down
6128888	7292953	1603696	invasion inhibitory protein 45	Iip45	298643	1,07	up
6263762	7292953	1603702	invasion inhibitory protein 45	Iip45	298643	2,01	up
6361808	7292953	1603701	invasion inhibitory protein 45	Iip45	298643	1,06	up
6421071	7292953	1603694	invasion inhibitory protein 45	Iip45	298643	1,10	down
6434521	7292953	1603695	invasion inhibitory protein 45	Iip45	298643	1,13	up
6602596	7292953	1603699	invasion inhibitory protein 45	Iip45	298643	1,03	down
5658043	7374362	1807634	IQ motif and Sec7 domain 2	Iqsec2	317433	1,31	down
5762884	7374362	1807641	IQ motif and Sec7 domain 2	Iqsec2	317433	1,58	down
5813672	7374362	1807637	IQ motif and Sec7 domain 2	Iqsec2	317433	1,37	down
5819332	7374362	1807612	IQ motif and Sec7 domain 2	Iqsec2	317433	1,34	up
5830957	7374362	1807631	IQ motif and Sec7 domain 2	Iqsec2	317433	1,04	down
5854607	7374362	1807626	IQ motif and Sec7 domain 2	Iqsec2	317433	1,13	down
5875642	7374362	1807629	IQ motif and Sec7 domain 2	Iqsec2	317433	1,14	down
5924733	7374362	1807616	IQ motif and Sec7 domain 2	Iqsec2	317433	1,22	up
5934333	7374362	1807612	IQ motif and Sec7 domain 2	Iqsec2	317433	1,43	up
6006651	7374362	1807640	IQ motif and Sec7 domain 2	Iqsec2	317433	1,09	up
6012591	7374362	1807639	IQ motif and Sec7 domain 2	Iqsec2	317433	1,14	down
6013890	7374362	1807625	IQ motif and Sec7 domain 2	Iqsec2	317433	1,08	down
6024080	7374362	1807635	IQ motif and Sec7 domain 2	Iqsec2	317433	1,73	up
6035114	7374362	1807633	IQ motif and Sec7 domain 2	Iqsec2	317433	1,68	up
6080086	7374362	1807626	IQ motif and Sec7 domain 2	Iqsec2	317433	1,90	down
6087716	7374362	1807632	IQ motif and Sec7 domain 2	Iqsec2	317433	1,02	down
6363235	7374362	1807628	IQ motif and Sec7 domain 2	Iqsec2	317433	1,07	down
6438553	7374362	1807627	IQ motif and Sec7 domain 2	Iqsec2	317433	1,45	up
6454465	7374362	1807639	IQ motif and Sec7 domain 2	Iqsec2	317433	1,05	up
6479657	7374362	1807641	IQ motif and Sec7 domain 2	Iqsec2	317433	1,08	down
6505558	7374362	1807627	IQ motif and Sec7 domain 2	Iqsec2	317433	1,07	down
6564086	7374362	1807630	IQ motif and Sec7 domain 2	Iqsec2	317433	1,05	down

6639162	7374362	1807638	IQ motif and Sec7 domain 2	Iqsec2	317433	2,00	down
6695961	7374362	1807627	IQ motif and Sec7 domain 2	Iqsec2	317433	1,10	up
6705180	7374362	1807641	IQ motif and Sec7 domain 2	Iqsec2	317433	1,07	up
6733661	7374362	1807626	IQ motif and Sec7 domain 2	Iqsec2	317433	1,17	up
5818200	7113483	1161023	IQ motif and WD repeats 1	Iqwd1	289181	1,41	up
6018669	7113483	1161009	IQ motif and WD repeats 1	Iqwd1	289181	1,32	up
5747482	7102474	1133738	IQ motif containing D	Iqcd	498184	1,01	down
5883969	7102474	1133741	IQ motif containing D	Iqcd	498184	1,33	up
6061356	7102474	1133742	IQ motif containing D	Iqcd	498184	2,35	down
6277765	7102474	1133740	IQ motif containing D	Iqcd	498184	1,55	up
6304690	7102474	1133743	IQ motif containing D	Iqcd	498184	1,05	down
6313653	7102474	1133743	IQ motif containing D	Iqcd	498184	1,06	down
6459388	7102474	1133739	IQ motif containing D	Iqcd	498184	1,06	down
6546503	7102474	1133744	IQ motif containing D	Iqcd	498184	1,03	up
6278393	7196029	1365601	IQ motif containing GTPase activating protein 3	Iqgap3	310621	1,26	down
5755581	7179143	1322793	iroquois homeobox 3	Irx3	307721	1,20	down
5875002	7179143	1322791	iroquois homeobox 3	Irx3	307721	1,35	up
6173782	7179143	1322791	iroquois homeobox 3	Irx3	307721	1,88	up
6193066	7179143	1322791	iroquois homeobox 3	Irx3	307721	1,28	up
6400232	7179143	1322793	iroquois homeobox 3	Irx3	307721	1,47	down
6515234	7179143	1322791	iroquois homeobox 3	Irx3	307721	1,65	up
6619141	7179143	1322792	iroquois homeobox 3	Irx3	307721	1,53	down
5636884	7245570	1486668	jagged 1	Jag1	29146	1,13	down
5666385	7245570	1486661	jagged 1	Jag1	29146	1,01	up
5707236	7245570	1486667	jagged 1	Jag1	29146	1,16	up
5787564	7245570	1486665	jagged 1	Jag1	29146	1,54	down
5806811	7245570	1486662	jagged 1	Jag1	29146	1,78	down
5806825	7245570	1486657	jagged 1	Jag1	29146	1,16	up
5850944	7245570	1486651	jagged 1	Jag1	29146	1,51	up
5909678	7245570	1486649	jagged 1	Jag1	29146	1,31	up
5955201	7245570	1486653	jagged 1	Jag1	29146	1,36	down
5970277	7245570	1486663	jagged 1	Jag1	29146	1,49	down
6116459	7245570	1486652	jagged 1	Jag1	29146	1,63	up
6141231	7245570	1486646	jagged 1	Jag1	29146	1,53	down
6177332	7245570	1486647	jagged 1	Jag1	29146	1,49	up
6267280	7245570	1486666	jagged 1	Jag1	29146	1,20	down
6354571	7245570	1486656	jagged 1	Jag1	29146	1,18	down
6356596	7245570	1486670	jagged 1	Jag1	29146	2,82	down
6410979	7245570	1486654	jagged 1	Jag1	29146	1,21	up
6447500	7245570	1486664	jagged 1	Jag1	29146	1,21	up
6462119	7245570	1486660	jagged 1	Jag1	29146	1,02	up
6470321	7245570	1486645	jagged 1	Jag1	29146	1,38	down
6491950	7245570	1486648	jagged 1	Jag1	29146	1,03	up
6542016	7245570	1486665	jagged 1	Jag1	29146	1,44	down
6559894	7245570	1486659	jagged 1	Jag1	29146	1,01	down
6637479	7245570	1486650	jagged 1	Jag1	29146	1,53	up
6650836	7245570	1486669	jagged 1	Jag1	29146	1,25	up
6712960	7245570	1486655	jagged 1	Jag1	29146	1,27	up
6731583	7245570	1486658	jagged 1	Jag1	29146	1,80	up
5664257	7041050	988033	Janus kinase 2	Jak2	24514	1,00	up
5671561	7041050	988054	Janus kinase 2	Jak2	24514	1,04	down
5692305	7041050	988031	Janus kinase 2	Jak2	24514	1,22	down
5704886	7041050	988041	Janus kinase 2	Jak2	24514	1,10	down
5719932	7041050	988039	Janus kinase 2	Jak2	24514	1,42	up
5739756	7041050	988038	Janus kinase 2	Jak2	24514	1,28	up
5829573	7041050	988042	Janus kinase 2	Jak2	24514	1,15	up

5977605	7041050	988052	Janus kinase 2	Jak2	24514	1,20	up
6104975	7041050	988030	Janus kinase 2	Jak2	24514	1,62	up
6214771	7041050	988044	Janus kinase 2	Jak2	24514	1,27	up
6236523	7041050	988034	Janus kinase 2	Jak2	24514	1,01	up
6266362	7041050	988032	Janus kinase 2	Jak2	24514	1,14	down
6280783	7041050	988050	Janus kinase 2	Jak2	24514	1,06	up
6353515	7041050	988040	Janus kinase 2	Jak2	24514	3,51	down
6386101	7041050	988046	Janus kinase 2	Jak2	24514	1,13	down
6392550	7041050	988029	Janus kinase 2	Jak2	24514	1,35	down
6393539	7041050	988033	Janus kinase 2	Jak2	24514	1,21	down
6463579	7041050	988035	Janus kinase 2	Jak2	24514	1,04	up
6472971	7041050	988047	Janus kinase 2	Jak2	24514	1,05	up
6531237	7041050	988043	Janus kinase 2	Jak2	24514	1,17	down
6532144	7041050	988036	Janus kinase 2	Jak2	24514	1,29	up
6564338	7041050	988055	Janus kinase 2	Jak2	24514	1,06	down
6592389	7041050	988045	Janus kinase 2	Jak2	24514	1,27	up
6605198	7041050	988037	Janus kinase 2	Jak2	24514	2,26	down
6609269	7041050	988054	Janus kinase 2	Jak2	24514	1,01	up
6658532	7041050	988053	Janus kinase 2	Jak2	24514	1,16	down
6681926	7041050	988051	Janus kinase 2	Jak2	24514	1,01	up
6689868	7041050	988049	Janus kinase 2	Jak2	24514	1,10	up
6729078	7041050	988048	Janus kinase 2	Jak2	24514	1,26	up
6737860	7041050	988040	Janus kinase 2	Jak2	24514	1,03	up
5651373	7144092	1236239	Janus kinase 3	Jak3	25326	1,30	down
5682826	7144092	1236220	Janus kinase 3	Jak3	25326	1,34	down
5701891	7144092	1236229	Janus kinase 3	Jak3	25326	1,59	down
5720559	7144092	1236231	Janus kinase 3	Jak3	25326	1,06	up
5772728	7144092	1236219	Janus kinase 3	Jak3	25326	1,33	up
5799336	7144092	1236217	Janus kinase 3	Jak3	25326	1,22	down
5827634	7144092	1236225	Janus kinase 3	Jak3	25326	1,32	up
5928979	7144092	1236221	Janus kinase 3	Jak3	25326	1,04	up
5947322	7144092	1236232	Janus kinase 3	Jak3	25326	1,23	up
5956418	7144092	1236236	Janus kinase 3	Jak3	25326	1,05	down
6003725	7144092	1236221	Janus kinase 3	Jak3	25326	1,44	down
6080417	7144092	1236230	Janus kinase 3	Jak3	25326	1,06	up
6125394	7144092	1236218	Janus kinase 3	Jak3	25326	1,09	down
6126306	7144092	1236234	Janus kinase 3	Jak3	25326	1,04	down
6126458	7144092	1236237	Janus kinase 3	Jak3	25326	1,31	up
6155164	7144092	1236238	Janus kinase 3	Jak3	25326	1,71	down
6165794	7144092	1236222	Janus kinase 3	Jak3	25326	1,09	up
6200398	7144092	1236223	Janus kinase 3	Jak3	25326	1,22	up
6212356	7144092	1236224	Janus kinase 3	Jak3	25326	1,57	up
6226964	7144092	1236226	Janus kinase 3	Jak3	25326	1,36	up
6277601	7144092	1236235	Janus kinase 3	Jak3	25326	1,11	up
6291674	7144092	1236228	Janus kinase 3	Jak3	25326	1,05	up
6427837	7144092	1236233	Janus kinase 3	Jak3	25326	1,04	up
6535913	7144092	1236240	Janus kinase 3	Jak3	25326	1,59	down
6582585	7144092	1236227	Janus kinase 3	Jak3	25326	1,30	up
6592653	7144092	1236234	Janus kinase 3	Jak3	25326	1,27	down
5630138	7328920	1693020	jerky homolog (mouse)	Jrk	315073	1,37	up
6209697	7328920	1693020	jerky homolog (mouse)	Jrk	315073	1,27	down
5822127	7138029	1221200	jub, ajuba homolog (Xenopus laevis)	Jub	85265	1,27	down
5905723	7138029	1221198	jub, ajuba homolog (Xenopus laevis)	Jub	85265	1,42	up
6016382	7138029	1221201	jub, ajuba homolog (Xenopus laevis)	Jub	85265	1,09	up
6079282	7138029	1221203	jub, ajuba homolog (Xenopus laevis)	Jub	85265	1,12	up
6274871	7138029	1221203	jub, ajuba homolog (Xenopus laevis)	Jub	85265	2,38	down

6279965	7138029	1221204	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,19	up
6417653	7138029	1221202	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,10	down
6488531	7138029	1221204	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,18	down
6525583	7138029	1221203	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,08	down
6609134	7138029	1221195	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,05	up
6623924	7138029	1221199	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,07	up
6710201	7138029	1221196	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,04	up
6722353	7138029	1221196	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,05	up
6730126	7138029	1221197	jub, ajuba homolog (<i>Xenopus laevis</i>)	Jub	85265	1,14	down
5697617	7276231	1563086	jumonji domain containing 2C	Jmjd2c	298144	2,02	up
5804804	7276231	1563088	jumonji domain containing 2C	Jmjd2c	298144	1,15	down
6053833	7276231	1563095	jumonji domain containing 2C	Jmjd2c	298144	1,06	down
6258028	7276231	1563094	jumonji domain containing 2C	Jmjd2c	298144	1,43	up
6267866	7276231	1563095	jumonji domain containing 2C	Jmjd2c	298144	1,17	down
6331293	7276231	1563087	jumonji domain containing 2C	Jmjd2c	298144	1,01	up
6394694	7276231	1563089	jumonji domain containing 2C	Jmjd2c	298144	1,05	down
6436726	7276231	1563090	jumonji domain containing 2C	Jmjd2c	298144	1,14	up
5932094	7068143	1051291	jumonji domain containing 4	Jmjd4	287359	1,07	up
6044786	7068143	1051295	jumonji domain containing 4	Jmjd4	287359	1,31	down
6222524	7068143	1051293	jumonji domain containing 4	Jmjd4	287359	1,54	up
6244000	7068143	1051294	jumonji domain containing 4	Jmjd4	287359	1,23	down
6254317	7068143	1051290	jumonji domain containing 4	Jmjd4	287359	2,03	down
6327710	7068143	1051293	jumonji domain containing 4	Jmjd4	287359	1,14	up
6408041	7068143	1051292	jumonji domain containing 4	Jmjd4	287359	1,90	up
6445737	7068143	1051295	jumonji domain containing 4	Jmjd4	287359	2,22	down
5629121	7257963	1517671	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,06	up
5712892	7257963	1517663	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,06	down
5827573	7257963	1517669	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,15	up
5829433	7257963	1517664	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	2,04	down
5839068	7257963	1517660	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,00	down
5885906	7257963	1517665	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,13	up
5896358	7257963	1517679	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,01	up
5931307	7257963	1517659	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,10	up
5934710	7257963	1517681	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,25	up
6024049	7257963	1517673	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,18	up
6071779	7257963	1517672	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,11	up
6110208	7257963	1517674	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,05	down
6136899	7257963	1517678	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,05	down
6212211	7257963	1517671	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,15	down
6249751	7257963	1517661	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,08	down
6274426	7257963	1517673	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,24	down
6401045	7257963	1517682	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,01	up
6425072	7257963	1517662	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,08	down
6460907	7257963	1517670	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,11	up
6543275	7257963	1517675	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,24	up
6544586	7257963	1517680	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,25	down
6564073	7257963	1517659	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,08	down
6568991	7257963	1517668	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,09	down
6609393	7257963	1517676	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,17	down
6613860	7257963	1517681	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,22	up
6638736	7257963	1517667	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,02	down
6645727	7257963	1517666	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,01	up
6677608	7257963	1517659	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,42	up
6678777	7257963	1517677	jumonji, AT rich interactive domain 1A (Rbp2 like)	Jarid1a	312678	1,23	down
5762249	7288744	1593690	Jun oncogene	Jun	24516	1,01	up
5957840	7288744	1593690	Jun oncogene	Jun	24516	1,17	up

6027652	7288744	1593690	Jun oncogene	Jun	24516	1,08	down
6155367	7288744	1593690	Jun oncogene	Jun	24516	1,20	up
6285488	7288744	1593689	Jun oncogene	Jun	24516	1,06	down
6342333	7288744	1593690	Jun oncogene	Jun	24516	1,50	down
6485592	7288744	1593689	Jun oncogene	Jun	24516	1,24	down
6685920	7288744	1593689	Jun oncogene	Jun	24516	1,24	up
6725675	7288744	1593689	Jun oncogene	Jun	24516	2,08	down
5621996	7271643	1551699	junctophilin 1	Jph1	297748	1,03	down
5800334	7271643	1551694	junctophilin 1	Jph1	297748	1,03	up
5830215	7271643	1551679	junctophilin 1	Jph1	297748	3,22	down
6152945	7271643	1551697	junctophilin 1	Jph1	297748	1,03	down
6183615	7271643	1551697	junctophilin 1	Jph1	297748	1,02	up
6195359	7271643	1551681	junctophilin 1	Jph1	297748	1,53	down
6687295	7271643	1551681	junctophilin 1	Jph1	297748	1,18	down
6717292	7271643	1551679	junctophilin 1	Jph1	297748	1,18	up
5633555	7088723	1100139	kalirin, RhoGEF kinase	Kalrn	84009	1,16	up
5646169	7088723	1100109	kalirin, RhoGEF kinase	Kalrn	84009	1,46	up
5664880	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,19	down
5696280	7088723	1100105	kalirin, RhoGEF kinase	Kalrn	84009	1,20	up
5704085	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,59	down
5714699	7088723	1100138	kalirin, RhoGEF kinase	Kalrn	84009	1,15	up
5722998	7088723	1100150	kalirin, RhoGEF kinase	Kalrn	84009	1,71	down
5729118	7088723	1100110	kalirin, RhoGEF kinase	Kalrn	84009	1,37	up
5752480	7088723	1100154	kalirin, RhoGEF kinase	Kalrn	84009	1,17	up
5839972	7088723	1100157	kalirin, RhoGEF kinase	Kalrn	84009	1,21	up
5866295	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,24	up
5880103	7088723	1100118	kalirin, RhoGEF kinase	Kalrn	84009	1,01	up
5895761	7088723	1100146	kalirin, RhoGEF kinase	Kalrn	84009	1,60	down
5916443	7088723	1100143	kalirin, RhoGEF kinase	Kalrn	84009	1,48	down
5927850	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,15	up
5930679	7088723	1100156	kalirin, RhoGEF kinase	Kalrn	84009	1,10	down
5944628	7088723	1100144	kalirin, RhoGEF kinase	Kalrn	84009	1,15	up
5947745	7088723	1100124	kalirin, RhoGEF kinase	Kalrn	84009	1,54	down
5960067	7088723	1100129	kalirin, RhoGEF kinase	Kalrn	84009	1,17	down
5961792	7088723	1100104	kalirin, RhoGEF kinase	Kalrn	84009	1,07	down
5981616	7088723	1100158	kalirin, RhoGEF kinase	Kalrn	84009	1,01	up
5985950	7088723	1100125	kalirin, RhoGEF kinase	Kalrn	84009	1,77	up
6020532	7088723	1100136	kalirin, RhoGEF kinase	Kalrn	84009	1,25	up
6023101	7088723	1100116	kalirin, RhoGEF kinase	Kalrn	84009	1,91	up
6028317	7088723	1100147	kalirin, RhoGEF kinase	Kalrn	84009	1,07	up
6030955	7088723	1100163	kalirin, RhoGEF kinase	Kalrn	84009	1,35	down
6037013	7088723	1100108	kalirin, RhoGEF kinase	Kalrn	84009	1,30	up
6054444	7088723	1100111	kalirin, RhoGEF kinase	Kalrn	84009	1,36	down
6061362	7088723	1100149	kalirin, RhoGEF kinase	Kalrn	84009	1,11	down
6065189	7088723	1100156	kalirin, RhoGEF kinase	Kalrn	84009	1,04	up
6075400	7088723	1100141	kalirin, RhoGEF kinase	Kalrn	84009	1,08	up
6079746	7088723	1100132	kalirin, RhoGEF kinase	Kalrn	84009	1,61	down
6102991	7088723	1100162	kalirin, RhoGEF kinase	Kalrn	84009	1,01	down
6118258	7088723	1100130	kalirin, RhoGEF kinase	Kalrn	84009	1,58	up
6120824	7088723	1100142	kalirin, RhoGEF kinase	Kalrn	84009	2,08	down
6137803	7088723	1100106	kalirin, RhoGEF kinase	Kalrn	84009	1,51	up
6160173	7088723	1100133	kalirin, RhoGEF kinase	Kalrn	84009	1,15	up
6218217	7088723	1100128	kalirin, RhoGEF kinase	Kalrn	84009	1,09	down
6222804	7088723	1100103	kalirin, RhoGEF kinase	Kalrn	84009	1,43	down
6226641	7088723	1100155	kalirin, RhoGEF kinase	Kalrn	84009	1,00	down
6231123	7088723	1100107	kalirin, RhoGEF kinase	Kalrn	84009	1,17	up

6268999	7088723	1100151	kalirin, RhoGEF kinase	Kalrn	84009	1,40	down
6308389	7088723	1100117	kalirin, RhoGEF kinase	Kalrn	84009	1,34	up
6320809	7088723	1100137	kalirin, RhoGEF kinase	Kalrn	84009	1,07	down
6342491	7088723	1100153	kalirin, RhoGEF kinase	Kalrn	84009	1,16	down
6351786	7088723	1100126	kalirin, RhoGEF kinase	Kalrn	84009	1,71	down
6380558	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,18	up
6384866	7088723	1100152	kalirin, RhoGEF kinase	Kalrn	84009	1,05	up
6384961	7088723	1100114	kalirin, RhoGEF kinase	Kalrn	84009	1,11	up
6385663	7088723	1100115	kalirin, RhoGEF kinase	Kalrn	84009	1,08	down
6390854	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,03	up
6426486	7088723	1100161	kalirin, RhoGEF kinase	Kalrn	84009	1,71	up
6451782	7088723	1100102	kalirin, RhoGEF kinase	Kalrn	84009	1,95	down
6477403	7088723	1100160	kalirin, RhoGEF kinase	Kalrn	84009	1,11	down
6483252	7088723	1100119	kalirin, RhoGEF kinase	Kalrn	84009	1,13	up
6492604	7088723	1100148	kalirin, RhoGEF kinase	Kalrn	84009	1,39	up
6497618	7088723	1100120	kalirin, RhoGEF kinase	Kalrn	84009	1,09	up
6497934	7088723	1100122	kalirin, RhoGEF kinase	Kalrn	84009	1,40	up
6507555	7088723	1100159	kalirin, RhoGEF kinase	Kalrn	84009	1,16	down
6537395	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,16	down
6561755	7088723	1100127	kalirin, RhoGEF kinase	Kalrn	84009	1,26	down
6565569	7088723	1100134	kalirin, RhoGEF kinase	Kalrn	84009	1,11	down
6582056	7088723	1100145	kalirin, RhoGEF kinase	Kalrn	84009	1,37	up
6620905	7088723	1100121	kalirin, RhoGEF kinase	Kalrn	84009	1,13	up
6621587	7088723	1100123	kalirin, RhoGEF kinase	Kalrn	84009	1,14	up
6630559	7088723	1100136	kalirin, RhoGEF kinase	Kalrn	84009	1,19	up
6649600	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,36	up
6663669	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,09	up
6680802	7088723	1100131	kalirin, RhoGEF kinase	Kalrn	84009	1,36	up
6694343	7088723	1100140	kalirin, RhoGEF kinase	Kalrn	84009	1,18	down
6241373	7050641	1010961	kallikrein /// tonin /// kallikrein 1	∩292861 /// Ton /// F861 /// 24841 /// 292		1,05	down
5684119	7031183	963238	kallikrein related-peptidase 8	Klk8	308565	1,11	down
5708132	7031183	963234	kallikrein related-peptidase 8	Klk8	308565	1,52	down
5741010	7031183	963235	kallikrein related-peptidase 8	Klk8	308565	1,13	up
5883542	7031183	963240	kallikrein related-peptidase 8	Klk8	308565	1,34	down
6022803	7031183	963236	kallikrein related-peptidase 8	Klk8	308565	1,43	down
6099839	7031183	963235	kallikrein related-peptidase 8	Klk8	308565	1,18	down
6122031	7031183	963234	kallikrein related-peptidase 8	Klk8	308565	1,74	down
6548054	7031183	963234	kallikrein related-peptidase 8	Klk8	308565	2,78	down
6577256	7031183	963237	kallikrein related-peptidase 8	Klk8	308565	1,25	down
6741116	7031183	963239	kallikrein related-peptidase 8	Klk8	308565	1,24	down
5675930	7031183	963232	kallikrein related-peptidase 9	Klk9	292851	1,07	up
5855726	7031183	963231	kallikrein related-peptidase 9	Klk9	292851	1,04	up
5968279	7031183	963230	kallikrein related-peptidase 9	Klk9	292851	1,13	down
6003833	7031183	963233	kallikrein related-peptidase 9	Klk9	292851	1,10	down
6018649	7031183	963231	kallikrein related-peptidase 9	Klk9	292851	1,31	up
6554802	7031183	963233	kallikrein related-peptidase 9	Klk9	292851	1,15	up
6691107	7031183	963229	kallikrein related-peptidase 9	Klk9	292851	1,19	up
5630864	7218847	1420190	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,20	up
5694034	7218847	1420185	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,13	down
5915224	7218847	1420186	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,32	up
5915944	7218847	1420183	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,29	up
5916096	7218847	1420190	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,10	up
5937272	7218847	1420182	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,27	down
5980928	7218847	1420191	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,06	up
6082644	7218847	1420187	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,06	down
6206778	7218847	1420189	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,19	down

6381012	7218847	1420184	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,05	down
6501109	7218847	1420181	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,09	up
6509833	7218847	1420188	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,27	down
6580640	7218847	1420179	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	2,23	down
6662072	7218847	1420180	karyopherin alpha 5 (importin alpha 6)	Kpna5	294392	1,08	up
5619616	7024721	947621	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,17	up
5763655	7024721	947626	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,19	down
5807452	7024721	947622	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,90	down
5903531	7024721	947628	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,05	up
5999587	7024721	947621	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	2,49	up
6056202	7024721	947624	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	2,91	down
6058202	7024721	947625	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,14	up
6208751	7024721	947620	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,04	up
6284413	7024721	947629	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,59	down
6579846	7024721	947623	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,16	up
6639895	7024721	947627	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,16	up
5733523	7182713	1332533	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,18	down
5745520	7182713	1332537	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,07	down
5791234	7182713	1332550	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,05	up
5866152	7182713	1332538	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,04	up
5897206	7182713	1332552	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,21	up
6066062	7182713	1332540	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,44	down
6104191	7182713	1332544	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	2,37	up
6112128	7182713	1332534	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,71	down
6186895	7182713	1332539	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,19	down
6207340	7182713	1332540	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,10	down
6252319	7182713	1332548	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,10	up
6279631	7182713	1332539	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,26	up
6311150	7182713	1332535	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,11	down
6364168	7182713	1332542	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,02	down
6383065	7182713	1332536	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,09	down
6508184	7182713	1332537	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,23	up
6518926	7182713	1332541	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,18	down
6526477	7182713	1332543	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,35	down
6569828	7182713	1332545	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,58	up
6706720	7182713	1332535	katanin p80 (WD repeat containing) subunit B 1	Katnb1	291852	1,04	up
5783104	7100396	1128587	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	Kdelr2	304290	1,07	up
5877345	7100396	1128587	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	Kdelr2	304290	1,07	up
6072339	7100396	1128585	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	Kdelr2	304290	1,08	up
6132190	7100396	1128586	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	Kdelr2	304290	1,03	up
6571901	7100396	1128587	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	Kdelr2	304290	1,07	down
6685147	7100396	1128584	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	Kdelr2	304290	1,13	down
5753797	7298920	1618826	kelch domain containing 2	Klhdc2	299113	1,60	up
5798556	7298920	1618827	kelch domain containing 2	Klhdc2	299113	1,06	up
5799945	7298920	1618828	kelch domain containing 2	Klhdc2	299113	1,04	up
6129110	7298920	1618830	kelch domain containing 2	Klhdc2	299113	1,03	up
6168699	7298920	1618825	kelch domain containing 2	Klhdc2	299113	1,15	down
6303958	7298920	1618833	kelch domain containing 2	Klhdc2	299113	1,26	down
6307360	7298920	1618824	kelch domain containing 2	Klhdc2	299113	1,08	up
6468698	7298920	1618822	kelch domain containing 2	Klhdc2	299113	1,05	up
6470820	7298920	1618831	kelch domain containing 2	Klhdc2	299113	1,19	up
6581598	7298920	1618832	kelch domain containing 2	Klhdc2	299113	2,32	down
6590189	7298920	1618828	kelch domain containing 2	Klhdc2	299113	1,06	down
6675516	7298920	1618829	kelch domain containing 2	Klhdc2	299113	1,11	down
6104899	7104977	1140172	kelch domain containing 8A	Klhdc8a	305096	1,31	down
6183649	7104977	1140173	kelch domain containing 8A	Klhdc8a	305096	2,09	up

6306142	7104977	1140171	kelch domain containing 8A	Klhdc8a	305096	1,04	up
6477822	7104977	1140173	kelch domain containing 8A	Klhdc8a	305096	1,44	down
6541679	7104977	1140173	kelch domain containing 8A	Klhdc8a	305096	1,43	up
6734310	7104977	1140173	kelch domain containing 8A	Klhdc8a	305096	1,06	up
6044430	7373038	1804297	kelch-like 13 (Drosophila)	Klh113	313445	1,09	up
6165425	7373038	1804295	kelch-like 13 (Drosophila)	Klh113	313445	1,08	down
6308423	7373038	1804296	kelch-like 13 (Drosophila)	Klh113	313445	1,47	down
6433424	7373038	1804297	kelch-like 13 (Drosophila)	Klh113	313445	1,84	up
5736596	7082471	1084900	keratin 12	Krt12	360625	2,45	down
5808849	7082471	1084897	keratin 12	Krt12	360625	1,00	down
5838641	7082471	1084893	keratin 12	Krt12	360625	1,30	up
6222024	7082471	1084898	keratin 12	Krt12	360625	1,09	up
6320156	7082471	1084895	keratin 12	Krt12	360625	1,08	up
6351230	7082471	1084900	keratin 12	Krt12	360625	1,15	up
6643099	7082471	1084893	keratin 12	Krt12	360625	1,23	up
6658077	7082471	1084899	keratin 12	Krt12	360625	1,25	up
6734792	7082471	1084896	keratin 12	Krt12	360625	1,69	down
6735863	7082471	1084894	keratin 12	Krt12	360625	1,07	up
5667517	7191382	1353516	keratin 18	Krt18	294853	1,11	down
5789573	7191382	1353517	keratin 18	Krt18	294853	1,19	up
6080586	7191382	1353516	keratin 18	Krt18	294853	1,37	up
6193172	7191382	1353516	keratin 18	Krt18	294853	2,05	down
5668835	7082611	1085221	keratin 19	Krt19	360626	3,91	down
5781443	7082611	1085226	keratin 19	Krt19	360626	1,50	up
5843864	7082611	1085222	keratin 19	Krt19	360626	1,38	down
6130508	7082611	1085223	keratin 19	Krt19	360626	1,04	down
6146499	7082611	1085225	keratin 19	Krt19	360626	1,35	up
6148024	7082611	1085224	keratin 19	Krt19	360626	1,12	down
6389612	7082611	1085227	keratin 19	Krt19	360626	1,11	up
6638331	7082611	1085223	keratin 19	Krt19	360626	1,40	down
5742215	7332018	1700611	keratin 2	Krt2	406228	1,06	down
5757839	7332018	1700616	keratin 2	Krt2	406228	1,17	down
5772290	7332018	1700616	keratin 2	Krt2	406228	1,12	up
5789929	7332018	1700614	keratin 2	Krt2	406228	1,17	down
5847118	7332018	1700623	keratin 2	Krt2	406228	1,17	down
5856430	7332018	1700618	keratin 2	Krt2	406228	1,07	up
5875161	7332018	1700609	keratin 2	Krt2	406228	1,06	up
5980299	7332018	1700620	keratin 2	Krt2	406228	1,14	up
6027943	7332018	1700615	keratin 2	Krt2	406228	1,21	up
6046049	7332018	1700612	keratin 2	Krt2	406228	2,08	down
6055510	7332018	1700613	keratin 2	Krt2	406228	1,05	up
6178822	7332018	1700621	keratin 2	Krt2	406228	1,48	up
6204638	7332018	1700609	keratin 2	Krt2	406228	1,20	down
6238821	7332018	1700617	keratin 2	Krt2	406228	1,03	up
6252637	7332018	1700615	keratin 2	Krt2	406228	1,00	up
6272147	7332018	1700622	keratin 2	Krt2	406228	1,08	down
6397907	7332018	1700622	keratin 2	Krt2	406228	1,22	up
6539148	7332018	1700610	keratin 2	Krt2	406228	1,77	down
6597525	7332018	1700609	keratin 2	Krt2	406228	1,10	up
6708803	7332018	1700619	keratin 2	Krt2	406228	1,14	up
5707825	7082574	1085138	keratin 31	Krt31	450228	1,16	down
5733027	7082574	1085140	keratin 31	Krt31	450228	1,12	up
5790332	7082574	1085138	keratin 31	Krt31	450228	1,07	down
5936978	7082574	1085142	keratin 31	Krt31	450228	2,33	up
6025779	7082574	1085139	keratin 31	Krt31	450228	1,35	up
6084861	7082574	1085141	keratin 31	Krt31	450228	1,48	up

6519664	7082574	1085137	keratin 31	Krt31	450228	1,05	down
6034901	7082574	1085143	keratin 33A /// keratin 31	Krt33a /// Krt31	303527 /// 450228	1,03	up
6336944	7082574	1085144	keratin 33A /// keratin 31	Krt33a /// Krt31	303527 /// 450228	1,20	up
5690324	7331982	1700523	keratin 75	Krt75	300247	1,09	down
5723736	7331982	1700524	keratin 75	Krt75	300247	1,03	up
5826810	7331982	1700521	keratin 75	Krt75	300247	2,00	down
5877857	7331982	1700529	keratin 75	Krt75	300247	1,05	down
5899377	7331982	1700528	keratin 75	Krt75	300247	1,00	up
6066112	7331982	1700529	keratin 75	Krt75	300247	1,01	up
6210126	7331982	1700527	keratin 75	Krt75	300247	1,12	down
6328610	7331982	1700528	keratin 75	Krt75	300247	1,62	down
6365441	7331982	1700522	keratin 75	Krt75	300247	1,04	down
6366869	7331982	1700529	keratin 75	Krt75	300247	1,05	up
6586809	7331982	1700526	keratin 75	Krt75	300247	1,06	down
6607541	7331982	1700521	keratin 75	Krt75	300247	1,44	down
6719085	7331982	1700525	keratin 75	Krt75	300247	1,36	down
5876320	7332059	1700725	keratin 78	Krt78	685672	1,00	down
6440174	7332059	1700725	keratin 78	Krt78	685672	1,29	up
5802733	7331976	1700494	keratin 82	Krt82	366991	1,64	up
5888964	7331976	1700499	keratin 82	Krt82	366991	1,40	down
6011846	7331976	1700493	keratin 82	Krt82	366991	1,08	down
6038807	7331976	1700497	keratin 82	Krt82	366991	1,06	down
6189117	7331976	1700493	keratin 82	Krt82	366991	2,28	down
6282894	7331976	1700500	keratin 82	Krt82	366991	1,06	up
6558918	7331976	1700498	keratin 82	Krt82	366991	1,07	up
6575232	7331976	1700495	keratin 82	Krt82	366991	2,15	up
6619870	7331976	1700496	keratin 82	Krt82	366991	1,17	up
6708430	7331976	1700501	keratin 82	Krt82	366991	1,16	down
5835015	7367946	1788952	KH-type splicing regulatory protein	Khsrp	171137	1,24	down
5853975	7367946	1788947	KH-type splicing regulatory protein	Khsrp	171137	1,07	up
5858265	7367946	1788955	KH-type splicing regulatory protein	Khsrp	171137	1,06	down
5890409	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	1,11	down
5893940	7367946	1788961	KH-type splicing regulatory protein	Khsrp	171137	1,03	up
5907882	7367946	1788959	KH-type splicing regulatory protein	Khsrp	171137	1,26	down
5914772	7367946	1788956	KH-type splicing regulatory protein	Khsrp	171137	1,17	up
5931162	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	1,09	down
5935237	7367946	1788962	KH-type splicing regulatory protein	Khsrp	171137	1,08	up
5999404	7367946	1788951	KH-type splicing regulatory protein	Khsrp	171137	1,00	up
6156530	7367946	1788953	KH-type splicing regulatory protein	Khsrp	171137	1,03	up
6171276	7367946	1788957	KH-type splicing regulatory protein	Khsrp	171137	1,00	down
6188475	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	1,13	up
6279968	7367946	1788950	KH-type splicing regulatory protein	Khsrp	171137	1,17	down
6402851	7367946	1788945	KH-type splicing regulatory protein	Khsrp	171137	1,29	down
6411350	7367946	1788958	KH-type splicing regulatory protein	Khsrp	171137	1,19	up
6455413	7367946	1788960	KH-type splicing regulatory protein	Khsrp	171137	1,05	down
6495838	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	1,18	up
6521899	7367946	1788946	KH-type splicing regulatory protein	Khsrp	171137	3,21	down
6648745	7367946	1788949	KH-type splicing regulatory protein	Khsrp	171137	1,03	down
6654918	7367946	1788965	KH-type splicing regulatory protein	Khsrp	171137	1,05	down
6729709	7367946	1788954	KH-type splicing regulatory protein	Khsrp	171137	1,03	up
5942214	7269311	1545599	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	1,12	up
5999646	7269311	1545601	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	1,17	up
6029307	7269311	1545600	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	2,19	down
6087200	7269311	1545599	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	1,34	up
6090438	7269311	1545603	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	2,09	down
6146691	7269311	1545600	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	1,21	down

6380500	7269311	1545599	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	1,18	down
6485465	7269311	1545603	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	1,06	down
6621376	7269311	1545602	killer cell lectin-like receptor subfamily G, member 1	Klrg1	58975	1,62	up
5634625	7131103	1204328	kinectin 1	Ktn1	361029	1,10	down
5645606	7131103	1204361	kinectin 1	Ktn1	361029	1,69	up
5672586	7131103	1204363	kinectin 1	Ktn1	361029	1,58	down
5673234	7131103	1204342	kinectin 1	Ktn1	361029	1,21	up
5716072	7131103	1204365	kinectin 1	Ktn1	361029	1,07	down
5721011	7131103	1204364	kinectin 1	Ktn1	361029	1,79	down
5758924	7131103	1204364	kinectin 1	Ktn1	361029	1,46	down
5802430	7131103	1204321	kinectin 1	Ktn1	361029	1,08	down
5802965	7131103	1204323	kinectin 1	Ktn1	361029	1,78	up
5820456	7131103	1204329	kinectin 1	Ktn1	361029	1,10	up
5897330	7131103	1204349	kinectin 1	Ktn1	361029	1,30	up
5903694	7131103	1204326	kinectin 1	Ktn1	361029	1,09	down
6000684	7131103	1204354	kinectin 1	Ktn1	361029	1,10	down
6025369	7131103	1204360	kinectin 1	Ktn1	361029	1,26	down
6067282	7131103	1204335	kinectin 1	Ktn1	361029	1,19	down
6072242	7131103	1204347	kinectin 1	Ktn1	361029	1,40	down
6099597	7131103	1204340	kinectin 1	Ktn1	361029	1,30	up
6116626	7131103	1204327	kinectin 1	Ktn1	361029	1,20	up
6117529	7131103	1204336	kinectin 1	Ktn1	361029	1,96	down
6135828	7131103	1204324	kinectin 1	Ktn1	361029	1,01	down
6184038	7131103	1204368	kinectin 1	Ktn1	361029	1,14	down
6211396	7131103	1204334	kinectin 1	Ktn1	361029	1,06	down
6213089	7131103	1204366	kinectin 1	Ktn1	361029	1,50	down
6241733	7131103	1204353	kinectin 1	Ktn1	361029	1,13	up
6242779	7131103	1204345	kinectin 1	Ktn1	361029	1,06	down
6290731	7131103	1204323	kinectin 1	Ktn1	361029	1,44	up
6300097	7131103	1204346	kinectin 1	Ktn1	361029	1,16	up
6306088	7131103	1204355	kinectin 1	Ktn1	361029	1,07	up
6311411	7131103	1204359	kinectin 1	Ktn1	361029	1,20	down
6316610	7131103	1204352	kinectin 1	Ktn1	361029	1,20	down
6346243	7131103	1204337	kinectin 1	Ktn1	361029	1,93	up
6367417	7131103	1204348	kinectin 1	Ktn1	361029	1,31	up
6405161	7131103	1204367	kinectin 1	Ktn1	361029	1,02	down
6423967	7131103	1204338	kinectin 1	Ktn1	361029	1,32	down
6432971	7131103	1204344	kinectin 1	Ktn1	361029	1,67	up
6460842	7131103	1204339	kinectin 1	Ktn1	361029	1,12	up
6471289	7131103	1204357	kinectin 1	Ktn1	361029	1,34	down
6497930	7131103	1204351	kinectin 1	Ktn1	361029	1,02	up
6501559	7131103	1204331	kinectin 1	Ktn1	361029	1,03	down
6514716	7131103	1204325	kinectin 1	Ktn1	361029	1,13	up
6542889	7131103	1204343	kinectin 1	Ktn1	361029	1,50	down
6543152	7131103	1204333	kinectin 1	Ktn1	361029	1,07	up
6575346	7131103	1204362	kinectin 1	Ktn1	361029	1,29	down
6722995	7131103	1204330	kinectin 1	Ktn1	361029	1,55	down
6735411	7131103	1204350	kinectin 1	Ktn1	361029	1,01	up
5652319	7156170	1266269	kinesin family member 13A	Kif13a	308173	1,11	down
5672260	7156170	1266264	kinesin family member 13A	Kif13a	308173	1,11	down
5709711	7156170	1266255	kinesin family member 13A	Kif13a	308173	1,09	up
5734358	7156170	1266279	kinesin family member 13A	Kif13a	308173	1,32	down
5744057	7156170	1266261	kinesin family member 13A	Kif13a	308173	1,51	down
5770581	7156170	1266277	kinesin family member 13A	Kif13a	308173	1,12	up
5787938	7156170	1266278	kinesin family member 13A	Kif13a	308173	1,23	down
5802281	7156170	1266263	kinesin family member 13A	Kif13a	308173	1,32	up

5861703	7156170	1266287	kinesin family member 13A	Kif13a	308173	1,17	down
5873211	7156170	1266265	kinesin family member 13A	Kif13a	308173	1,16	down
5958685	7156170	1266282	kinesin family member 13A	Kif13a	308173	1,00	up
5960253	7156170	1266257	kinesin family member 13A	Kif13a	308173	1,50	up
5963002	7156170	1266280	kinesin family member 13A	Kif13a	308173	1,03	down
5986019	7156170	1266276	kinesin family member 13A	Kif13a	308173	1,77	down
5995931	7156170	1266256	kinesin family member 13A	Kif13a	308173	1,18	up
6029373	7156170	1266230	kinesin family member 13A	Kif13a	308173	1,30	up
6062447	7156170	1266271	kinesin family member 13A	Kif13a	308173	1,05	down
6071329	7156170	1266247	kinesin family member 13A	Kif13a	308173	1,40	up
6083252	7156170	1266272	kinesin family member 13A	Kif13a	308173	1,23	down
6088488	7156170	1266281	kinesin family member 13A	Kif13a	308173	1,00	up
6112698	7156170	1266268	kinesin family member 13A	Kif13a	308173	1,60	up
6148205	7156170	1266267	kinesin family member 13A	Kif13a	308173	1,08	up
6175233	7156170	1266254	kinesin family member 13A	Kif13a	308173	1,15	down
6218818	7156170	1266262	kinesin family member 13A	Kif13a	308173	2,06	up
6254798	7156170	1266275	kinesin family member 13A	Kif13a	308173	1,14	down
6394399	7156170	1266253	kinesin family member 13A	Kif13a	308173	1,04	down
6486067	7156170	1266287	kinesin family member 13A	Kif13a	308173	1,22	down
6500866	7156170	1266266	kinesin family member 13A	Kif13a	308173	1,35	down
6511219	7156170	1266252	kinesin family member 13A	Kif13a	308173	2,70	down
6529086	7156170	1266258	kinesin family member 13A	Kif13a	308173	1,03	down
6532536	7156170	1266245	kinesin family member 13A	Kif13a	308173	1,32	down
6557619	7156170	1266249	kinesin family member 13A	Kif13a	308173	1,03	up
6626596	7156170	1266248	kinesin family member 13A	Kif13a	308173	1,29	down
6643886	7156170	1266267	kinesin family member 13A	Kif13a	308173	1,09	up
6692516	7156170	1266274	kinesin family member 13A	Kif13a	308173	2,14	up
6693249	7156170	1266286	kinesin family member 13A	Kif13a	308173	1,01	up
6709693	7156170	1266246	kinesin family member 13A	Kif13a	308173	1,26	up
5654129	7073563	1064720	kinesin family member 19A	Kif19a	303659	1,14	up
5698183	7073563	1064722	kinesin family member 19A	Kif19a	303659	1,43	down
5823787	7073563	1064719	kinesin family member 19A	Kif19a	303659	1,05	up
5876536	7073563	1064710	kinesin family member 19A	Kif19a	303659	1,36	down
5889131	7073563	1064706	kinesin family member 19A	Kif19a	303659	1,18	down
5946665	7073563	1064720	kinesin family member 19A	Kif19a	303659	1,13	up
5973073	7073563	1064718	kinesin family member 19A	Kif19a	303659	1,37	down
5993440	7073563	1064717	kinesin family member 19A	Kif19a	303659	1,21	up
6013186	7073563	1064709	kinesin family member 19A	Kif19a	303659	1,12	up
6042873	7073563	1064721	kinesin family member 19A	Kif19a	303659	2,71	down
6119992	7073563	1064719	kinesin family member 19A	Kif19a	303659	1,08	up
6193250	7073563	1064706	kinesin family member 19A	Kif19a	303659	1,21	down
6310984	7073563	1064711	kinesin family member 19A	Kif19a	303659	1,57	down
6349890	7073563	1064723	kinesin family member 19A	Kif19a	303659	1,15	up
6430070	7073563	1064714	kinesin family member 19A	Kif19a	303659	1,05	up
6596123	7073563	1064716	kinesin family member 19A	Kif19a	303659	1,51	up
6694989	7073563	1064715	kinesin family member 19A	Kif19a	303659	1,02	up
6314979	7108300	1147888	kinesin family member 26B	Kif26b	305012	1,01	up
6396616	7108300	1147895	kinesin family member 26B	Kif26b	305012	1,28	down
6720328	7108300	1147897	kinesin family member 26B	Kif26b	305012	1,12	down
5621070	7217040	1415267	kinesin family member C1	Kifc1	294286	1,03	down
5677912	7217040	1415268	kinesin family member C1	Kifc1	294286	1,34	up
5780660	7217040	1415265	kinesin family member C1	Kifc1	294286	4,68	up
5787173	7217040	1415269	kinesin family member C1	Kifc1	294286	1,04	up
5823957	7217040	1415265	kinesin family member C1	Kifc1	294286	1,53	down
5906379	7217040	1415265	kinesin family member C1	Kifc1	294286	1,01	down
6188268	7217040	1415271	kinesin family member C1	Kifc1	294286	1,26	up

6253096	7217040	1415262	kinesin family member C1	Kifc1	294286	1,20	up
6304546	7217040	1415263	kinesin family member C1	Kifc1	294286	1,10	up
6517220	7217040	1415271	kinesin family member C1	Kifc1	294286	1,59	down
6542419	7217040	1415262	kinesin family member C1	Kifc1	294286	1,18	down
6588869	7217040	1415270	kinesin family member C1	Kifc1	294286	1,14	up
6598938	7217040	1415264	kinesin family member C1	Kifc1	294286	1,07	down
6603409	7217040	1415266	kinesin family member C1	Kifc1	294286	1,04	up
6634890	7217040	1415265	kinesin family member C1	Kifc1	294286	1,41	down
6712556	7217040	1415268	kinesin family member C1	Kifc1	294286	1,36	down
5636159	7102113	1132844	kinetochore associated 1	Kntc1	304477	1,49	up
5697786	7102113	1132824	kinetochore associated 1	Kntc1	304477	1,13	down
5709465	7102113	1132830	kinetochore associated 1	Kntc1	304477	1,13	up
5731649	7102113	1132816	kinetochore associated 1	Kntc1	304477	1,01	up
5738578	7102113	1132799	kinetochore associated 1	Kntc1	304477	2,28	down
5738793	7102113	1132843	kinetochore associated 1	Kntc1	304477	1,10	up
5763593	7102113	1132805	kinetochore associated 1	Kntc1	304477	1,39	down
5810851	7102113	1132842	kinetochore associated 1	Kntc1	304477	1,07	down
5841819	7102113	1132825	kinetochore associated 1	Kntc1	304477	1,25	up
5861828	7102113	1132829	kinetochore associated 1	Kntc1	304477	1,17	up
5877156	7102113	1132828	kinetochore associated 1	Kntc1	304477	1,28	up
5879018	7102113	1132846	kinetochore associated 1	Kntc1	304477	1,17	down
5887379	7102113	1132792	kinetochore associated 1	Kntc1	304477	1,40	down
5899161	7102113	1132810	kinetochore associated 1	Kntc1	304477	1,02	up
5916259	7102113	1132790	kinetochore associated 1	Kntc1	304477	1,07	down
5921868	7102113	1132847	kinetochore associated 1	Kntc1	304477	1,01	down
5955797	7102113	1132832	kinetochore associated 1	Kntc1	304477	1,26	down
5956305	7102113	1132848	kinetochore associated 1	Kntc1	304477	1,31	down
6041665	7102113	1132800	kinetochore associated 1	Kntc1	304477	1,15	down
6056875	7102113	1132836	kinetochore associated 1	Kntc1	304477	1,28	down
6063602	7102113	1132849	kinetochore associated 1	Kntc1	304477	1,19	up
6066190	7102113	1132820	kinetochore associated 1	Kntc1	304477	1,00	down
6096251	7102113	1132809	kinetochore associated 1	Kntc1	304477	1,42	up
6134735	7102113	1132851	kinetochore associated 1	Kntc1	304477	1,20	down
6141397	7102113	1132842	kinetochore associated 1	Kntc1	304477	1,33	up
6168210	7102113	1132788	kinetochore associated 1	Kntc1	304477	1,07	up
6180310	7102113	1132787	kinetochore associated 1	Kntc1	304477	1,14	up
6225781	7102113	1132828	kinetochore associated 1	Kntc1	304477	1,43	down
6231926	7102113	1132822	kinetochore associated 1	Kntc1	304477	1,14	down
6239657	7102113	1132817	kinetochore associated 1	Kntc1	304477	1,29	down
6243313	7102113	1132785	kinetochore associated 1	Kntc1	304477	1,08	up
6264939	7102113	1132812	kinetochore associated 1	Kntc1	304477	1,13	down
6281190	7102113	1132831	kinetochore associated 1	Kntc1	304477	1,19	down
6320390	7102113	1132803	kinetochore associated 1	Kntc1	304477	1,22	up
6323436	7102113	1132838	kinetochore associated 1	Kntc1	304477	1,20	down
6332736	7102113	1132796	kinetochore associated 1	Kntc1	304477	1,62	down
6361982	7102113	1132814	kinetochore associated 1	Kntc1	304477	1,37	down
6368074	7102113	1132818	kinetochore associated 1	Kntc1	304477	1,02	down
6380753	7102113	1132850	kinetochore associated 1	Kntc1	304477	1,27	down
6404139	7102113	1132834	kinetochore associated 1	Kntc1	304477	1,23	down
6410920	7102113	1132826	kinetochore associated 1	Kntc1	304477	1,32	down
6416684	7102113	1132819	kinetochore associated 1	Kntc1	304477	1,19	up
6437085	7102113	1132797	kinetochore associated 1	Kntc1	304477	1,12	down
6467569	7102113	1132802	kinetochore associated 1	Kntc1	304477	2,27	down
6475953	7102113	1132806	kinetochore associated 1	Kntc1	304477	1,02	up
6484736	7102113	1132833	kinetochore associated 1	Kntc1	304477	1,43	down
6519393	7102113	1132795	kinetochore associated 1	Kntc1	304477	1,12	down

6528080	7102113	1132823	kinetochore associated 1	Kntc1	304477	1,18	down
6546496	7102113	1132827	kinetochore associated 1	Kntc1	304477	1,01	down
6595382	7102113	1132789	kinetochore associated 1	Kntc1	304477	1,22	up
6598333	7102113	1132807	kinetochore associated 1	Kntc1	304477	1,16	up
6605945	7102113	1132793	kinetochore associated 1	Kntc1	304477	1,01	down
6624343	7102113	1132821	kinetochore associated 1	Kntc1	304477	1,03	down
6633492	7102113	1132804	kinetochore associated 1	Kntc1	304477	1,61	down
6642126	7102113	1132826	kinetochore associated 1	Kntc1	304477	1,02	up
6694906	7102113	1132852	kinetochore associated 1	Kntc1	304477	1,17	up
6709889	7102113	1132836	kinetochore associated 1	Kntc1	304477	1,15	up
6712800	7102113	1132794	kinetochore associated 1	Kntc1	304477	1,42	up
6724955	7102113	1132815	kinetochore associated 1	Kntc1	304477	1,14	down
6730513	7102113	1132811	kinetochore associated 1	Kntc1	304477	1,25	down
6736849	7102113	1132837	kinetochore associated 1	Kntc1	304477	1,03	up
5622635	7314316	1657925	KIT ligand	Kitlg	60427	1,51	down
5699521	7314316	1657933	KIT ligand	Kitlg	60427	2,48	down
5762732	7314316	1657930	KIT ligand	Kitlg	60427	1,28	down
5910925	7314316	1657935	KIT ligand	Kitlg	60427	1,74	up
5943058	7314316	1657929	KIT ligand	Kitlg	60427	1,27	up
6132415	7314316	1657928	KIT ligand	Kitlg	60427	1,03	up
6185781	7314316	1657926	KIT ligand	Kitlg	60427	1,15	up
6256647	7314316	1657932	KIT ligand	Kitlg	60427	1,29	down
6305879	7314316	1657931	KIT ligand	Kitlg	60427	1,19	up
6475667	7314316	1657934	KIT ligand	Kitlg	60427	1,47	up
6598598	7314316	1657927	KIT ligand	Kitlg	60427	1,30	up
6690842	7314316	1657935	KIT ligand	Kitlg	60427	1,78	down
5813008	7099669	1126927	Klotho	Kl	83504	1,36	down
6098520	7099669	1126926	Klotho	Kl	83504	1,20	up
6196624	7099669	1126923	Klotho	Kl	83504	1,35	up
6247831	7099669	1126927	Klotho	Kl	83504	1,61	down
6356246	7099669	1126927	Klotho	Kl	83504	1,39	up
6442366	7099669	1126926	Klotho	Kl	83504	2,13	up
6471155	7099669	1126924	Klotho	Kl	83504	1,04	down
6503501	7099669	1126925	Klotho	Kl	83504	1,11	down
6680141	7099669	1126924	Klotho	Kl	83504	1,57	up
6689224	7099669	1126924	Klotho	Kl	83504	1,17	down
5810205	7312942	1654177	KN motif and ankyrin repeat domains 3	Kank3	366848	1,18	down
5848495	7312942	1654170	KN motif and ankyrin repeat domains 3	Kank3	366848	1,22	up
5956715	7312942	1654178	KN motif and ankyrin repeat domains 3	Kank3	366848	1,09	down
6119141	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,59	down
6121347	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,40	down
6272936	7312942	1654175	KN motif and ankyrin repeat domains 3	Kank3	366848	1,18	down
6304710	7312942	1654174	KN motif and ankyrin repeat domains 3	Kank3	366848	1,07	down
6316053	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,09	up
6327140	7312942	1654172	KN motif and ankyrin repeat domains 3	Kank3	366848	1,14	up
6356130	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,17	up
6379330	7312942	1654176	KN motif and ankyrin repeat domains 3	Kank3	366848	1,25	up
6410385	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,03	up
6453934	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,12	down
6513539	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,22	up
6552672	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	2,28	down
6603389	7312942	1654166	KN motif and ankyrin repeat domains 3	Kank3	366848	1,02	down
6654397	7312942	1654171	KN motif and ankyrin repeat domains 3	Kank3	366848	1,06	up
5784466	7289069	1594400	KN motif and ankyrin repeat domains 4	Kank4	313385	1,35	down
5796720	7289069	1594398	KN motif and ankyrin repeat domains 4	Kank4	313385	1,02	down
5839540	7289069	1594402	KN motif and ankyrin repeat domains 4	Kank4	313385	1,41	down

6052845	7289069	1594392	KN motif and ankyrin repeat domains 4	Kank4	313385	1,49	up
6144230	7289069	1594397	KN motif and ankyrin repeat domains 4	Kank4	313385	1,62	up
6144788	7289069	1594401	KN motif and ankyrin repeat domains 4	Kank4	313385	1,38	down
6242171	7289069	1594392	KN motif and ankyrin repeat domains 4	Kank4	313385	1,17	down
6424277	7289069	1594395	KN motif and ankyrin repeat domains 4	Kank4	313385	1,00	up
6518856	7289069	1594394	KN motif and ankyrin repeat domains 4	Kank4	313385	1,02	up
6720355	7289069	1594405	KN motif and ankyrin repeat domains 4	Kank4	313385	1,11	up
5689610	7253408	1505932	KRAB-A domain containing 1	Krba1	362358	1,10	up
5755244	7253408	1505954	KRAB-A domain containing 1	Krba1	362358	1,09	up
6346726	7253408	1505932	KRAB-A domain containing 1	Krba1	362358	1,14	down
5821797	7261592	1526857	KRIT1, ankyrin repeat containing	Krit1	362317	1,09	down
5866324	7261592	1526845	KRIT1, ankyrin repeat containing	Krit1	362317	1,00	up
5922063	7261592	1526854	KRIT1, ankyrin repeat containing	Krit1	362317	1,02	down
6032583	7261592	1526839	KRIT1, ankyrin repeat containing	Krit1	362317	1,29	up
6074273	7261592	1526851	KRIT1, ankyrin repeat containing	Krit1	362317	1,23	down
6090626	7261592	1526843	KRIT1, ankyrin repeat containing	Krit1	362317	1,03	down
6221866	7261592	1526850	KRIT1, ankyrin repeat containing	Krit1	362317	1,02	down
6234477	7261592	1526847	KRIT1, ankyrin repeat containing	Krit1	362317	1,29	down
6253483	7261592	1526843	KRIT1, ankyrin repeat containing	Krit1	362317	1,07	up
6293750	7261592	1526848	KRIT1, ankyrin repeat containing	Krit1	362317	1,08	down
6304740	7261592	1526844	KRIT1, ankyrin repeat containing	Krit1	362317	1,32	down
6321510	7261592	1526840	KRIT1, ankyrin repeat containing	Krit1	362317	1,07	down
6360184	7261592	1526852	KRIT1, ankyrin repeat containing	Krit1	362317	1,29	down
6411693	7261592	1526849	KRIT1, ankyrin repeat containing	Krit1	362317	1,21	up
6463980	7261592	1526853	KRIT1, ankyrin repeat containing	Krit1	362317	1,09	up
6494520	7261592	1526836	KRIT1, ankyrin repeat containing	Krit1	362317	1,22	up
6494987	7261592	1526837	KRIT1, ankyrin repeat containing	Krit1	362317	1,08	down
6707379	7261592	1526841	KRIT1, ankyrin repeat containing	Krit1	362317	1,36	up
5753518	7141061	1228648	Kruppel-like factor 12	Klf12	306110	1,27	up
5844441	7141061	1228646	Kruppel-like factor 12	Klf12	306110	1,76	up
5885458	7141061	1228645	Kruppel-like factor 12	Klf12	306110	1,11	up
5967203	7141061	1228679	Kruppel-like factor 12	Klf12	306110	1,18	up
6023906	7141061	1228709	Kruppel-like factor 12	Klf12	306110	1,01	down
6085448	7141061	1228645	Kruppel-like factor 12	Klf12	306110	1,33	up
6137572	7141061	1228645	Kruppel-like factor 12	Klf12	306110	1,59	down
6202705	7141061	1228700	Kruppel-like factor 12	Klf12	306110	1,08	down
6227837	7141061	1228668	Kruppel-like factor 12	Klf12	306110	1,04	down
6302285	7141061	1228644	Kruppel-like factor 12	Klf12	306110	1,29	down
6360035	7141061	1228719	Kruppel-like factor 12	Klf12	306110	1,03	up
6727013	7141061	1228687	Kruppel-like factor 12	Klf12	306110	1,38	up
5746655	7134502	1212367	Kruppel-like factor 5	Klf5	84410	2,49	down
6061838	7134502	1212366	Kruppel-like factor 5	Klf5	84410	1,52	up
6659288	7134502	1212365	Kruppel-like factor 5	Klf5	84410	1,86	up
6665352	7134502	1212365	Kruppel-like factor 5	Klf5	84410	1,82	up
6736781	7134502	1212364	Kruppel-like factor 5	Klf5	84410	3,25	down
5759124	7166280	1289729	Kruppel-like factor 6	Klf6	58954	1,06	up
5789286	7166280	1289725	Kruppel-like factor 6	Klf6	58954	1,04	down
5873800	7166280	1289727	Kruppel-like factor 6	Klf6	58954	1,03	up
6016178	7166280	1289724	Kruppel-like factor 6	Klf6	58954	1,04	up
6280446	7166280	1289728	Kruppel-like factor 6	Klf6	58954	1,39	up
6357287	7166280	1289725	Kruppel-like factor 6	Klf6	58954	2,35	down
6470750	7166280	1289726	Kruppel-like factor 6	Klf6	58954	1,69	down
6693689	7166280	1289725	Kruppel-like factor 6	Klf6	58954	1,26	down
5623885	7076110	1070732	Kv channel-interacting protein 1	Kcnip1	65023	1,17	down
5695802	7076110	1070733	Kv channel-interacting protein 1	Kcnip1	65023	1,15	up
5996505	7076110	1070729	Kv channel-interacting protein 1	Kcnip1	65023	2,14	down

6061863	7076110	1070728	Kv channel-interacting protein 1	Kcnipl	65023	1,14	up
6266701	7076110	1070731	Kv channel-interacting protein 1	Kcnipl	65023	1,04	down
6437595	7076110	1070727	Kv channel-interacting protein 1	Kcnipl	65023	1,08	up
6519802	7076110	1070734	Kv channel-interacting protein 1	Kcnipl	65023	1,52	up
6536289	7076110	1070730	Kv channel-interacting protein 1	Kcnipl	65023	1,01	down
6704975	7076110	1070735	Kv channel-interacting protein 1	Kcnipl	65023	1,11	up
5662150	7063140	1039035	Kv channel-interacting protein 2	Kcnipl2	56817	1,57	down
5749471	7063140	1039032	Kv channel-interacting protein 2	Kcnipl2	56817	1,12	down
5778153	7063140	1039028	Kv channel-interacting protein 2	Kcnipl2	56817	2,04	down
6041780	7063140	1039037	Kv channel-interacting protein 2	Kcnipl2	56817	1,37	down
6044243	7063140	1039034	Kv channel-interacting protein 2	Kcnipl2	56817	1,07	down
6253430	7063140	1039027	Kv channel-interacting protein 2	Kcnipl2	56817	1,20	up
6349941	7063140	1039027	Kv channel-interacting protein 2	Kcnipl2	56817	1,36	up
6459080	7063140	1039029	Kv channel-interacting protein 2	Kcnipl2	56817	1,45	down
6489007	7063140	1039030	Kv channel-interacting protein 2	Kcnipl2	56817	1,02	up
6491972	7063140	1039033	Kv channel-interacting protein 2	Kcnipl2	56817	1,49	up
6519233	7063140	1039031	Kv channel-interacting protein 2	Kcnipl2	56817	1,17	down
6708534	7063140	1039036	Kv channel-interacting protein 2	Kcnipl2	56817	1,05	down
5735754	7108109	1147306	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,00	up
5743640	7108109	1147313	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,12	down
5789901	7108109	1147315	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,04	down
5839257	7108109	1147304	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,11	down
5874204	7108109	1147309	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,08	up
5880184	7108109	1147306	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,23	up
5894534	7108109	1147311	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,08	up
5925317	7108109	1147307	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,38	down
5949961	7108109	1147301	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,06	down
6077410	7108109	1147305	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,70	up
6276911	7108109	1147314	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,05	down
6352221	7108109	1147308	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,06	down
6375502	7108109	1147302	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,05	down
6411258	7108109	1147303	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,05	up
6703051	7108109	1147312	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	1,16	up
6720764	7108109	1147310	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	Kmo	59113	2,04	down
5752339	7319144	1670085	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,30	up
5763500	7319144	1670097	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,15	down
5768987	7319144	1670098	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,13	down
5804661	7319144	1670090	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,13	down
6171573	7319144	1670104	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,20	down
6172429	7319144	1670093	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,30	up
6244166	7319144	1670088	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,28	up
6281814	7319144	1670103	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,22	up
6370848	7319144	1670089	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,22	up
6417736	7319144	1670092	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,44	down
6422322	7319144	1670096	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,09	down
6491646	7319144	1670095	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,03	down
6505553	7319144	1670100	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,05	down
6514574	7319144	1670099	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,81	up
6619186	7319144	1670091	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,11	down
6622397	7319144	1670104	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,08	down
6668282	7319144	1670101	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	2,32	down
6709881	7319144	1670093	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,40	up
6730860	7319144	1670084	l(3)mbt-like 2 (Drosophila)	L3mbtl2	300320	1,02	up
5757123	7067828	1050799	La ribonucleoprotein domain family, member 1	Larp1	303158	1,06	up
6316296	7067828	1050799	La ribonucleoprotein domain family, member 1	Larp1	303158	1,44	down
6631595	7067828	1050799	La ribonucleoprotein domain family, member 1	Larp1	303158	1,06	down

5675435	7346989	1737519	lactamase, beta	Lactb	300803	1,19	up
5683512	7346989	1737522	lactamase, beta	Lactb	300803	1,20	down
5977920	7346989	1737524	lactamase, beta	Lactb	300803	1,15	up
6032976	7346989	1737521	lactamase, beta	Lactb	300803	1,17	up
6307687	7346989	1737519	lactamase, beta	Lactb	300803	1,05	up
6318870	7346989	1737523	lactamase, beta	Lactb	300803	1,25	down
6499616	7346989	1737525	lactamase, beta	Lactb	300803	1,14	down
6519192	7346989	1737525	lactamase, beta	Lactb	300803	1,03	down
6729792	7346989	1737521	lactamase, beta	Lactb	300803	1,51	up
5762153	7271828	1552281	lactamase, beta 2	Lactb2	297768	1,12	up
5895966	7271828	1552279	lactamase, beta 2	Lactb2	297768	1,03	down
6044862	7271828	1552282	lactamase, beta 2	Lactb2	297768	2,09	down
6139442	7271828	1552286	lactamase, beta 2	Lactb2	297768	1,18	down
6241638	7271828	1552280	lactamase, beta 2	Lactb2	297768	1,03	up
6417786	7271828	1552279	lactamase, beta 2	Lactb2	297768	1,34	down
6520665	7271828	1552287	lactamase, beta 2	Lactb2	297768	1,05	up
6549219	7271828	1552288	lactamase, beta 2	Lactb2	297768	1,01	up
5669572	7340766	1721944	lactotransferrin	Ltf	301034	1,00	up
5677179	7340766	1721954	lactotransferrin	Ltf	301034	1,06	down
5767808	7340766	1721951	lactotransferrin	Ltf	301034	1,01	down
5884669	7340766	1721940	lactotransferrin	Ltf	301034	1,19	down
5907808	7340766	1721950	lactotransferrin	Ltf	301034	1,01	up
5931944	7340766	1721957	lactotransferrin	Ltf	301034	1,04	down
6050260	7340766	1721958	lactotransferrin	Ltf	301034	1,26	up
6078164	7340766	1721958	lactotransferrin	Ltf	301034	1,06	up
6207589	7340766	1721945	lactotransferrin	Ltf	301034	1,69	down
6271126	7340766	1721952	lactotransferrin	Ltf	301034	1,09	up
6280052	7340766	1721955	lactotransferrin	Ltf	301034	1,32	down
6281574	7340766	1721959	lactotransferrin	Ltf	301034	1,05	up
6297625	7340766	1721948	lactotransferrin	Ltf	301034	1,03	up
6330829	7340766	1721942	lactotransferrin	Ltf	301034	1,18	down
6397718	7340766	1721948	lactotransferrin	Ltf	301034	2,21	up
6441923	7340766	1721943	lactotransferrin	Ltf	301034	1,11	up
6475423	7340766	1721949	lactotransferrin	Ltf	301034	1,01	down
6483840	7340766	1721949	lactotransferrin	Ltf	301034	1,02	down
6523599	7340766	1721946	lactotransferrin	Ltf	301034	1,00	up
6541328	7340766	1721953	lactotransferrin	Ltf	301034	1,18	down
6736043	7340766	1721947	lactotransferrin	Ltf	301034	1,08	up
5687182	7099449	1126374	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,16	down
5941174	7099449	1126385	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,07	up
5991091	7099449	1126379	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,16	up
6042869	7099449	1126372	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,03	up
6084937	7099449	1126373	LAG1 homolog, ceramide synthase 4	Lass4	304208	2,57	down
6126859	7099449	1126374	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,08	up
6167358	7099449	1126374	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,01	down
6211607	7099449	1126374	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,21	up
6305465	7099449	1126374	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,29	down
6345687	7099449	1126372	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,37	up
6347002	7099449	1126376	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,06	down
6448543	7099449	1126377	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,10	down
6533695	7099449	1126375	LAG1 homolog, ceramide synthase 4	Lass4	304208	1,07	up
6717551	7099449	1126372	LAG1 homolog, ceramide synthase 4	Lass4	304208	2,06	up
5627892	7226232	1437727	laminin gamma 3	Lamc3	311862	1,27	up
5653946	7226232	1437718	laminin gamma 3	Lamc3	311862	1,18	down
5673820	7226232	1437733	laminin gamma 3	Lamc3	311862	1,23	up
5718490	7226232	1437741	laminin gamma 3	Lamc3	311862	1,34	up

5721394	7226232	1437745	laminin gamma 3	Lamc3	311862	1,11	up
5723982	7226232	1437734	laminin gamma 3	Lamc3	311862	1,08	up
5826355	7226232	1437730	laminin gamma 3	Lamc3	311862	1,00	up
5870999	7226232	1437713	laminin gamma 3	Lamc3	311862	1,30	up
5871356	7226232	1437742	laminin gamma 3	Lamc3	311862	1,56	down
5874170	7226232	1437737	laminin gamma 3	Lamc3	311862	1,00	down
5898345	7226232	1437746	laminin gamma 3	Lamc3	311862	1,13	up
5927868	7226232	1437722	laminin gamma 3	Lamc3	311862	1,07	up
5990413	7226232	1437743	laminin gamma 3	Lamc3	311862	1,04	up
6101661	7226232	1437737	laminin gamma 3	Lamc3	311862	1,10	down
6114281	7226232	1437747	laminin gamma 3	Lamc3	311862	1,02	down
6139943	7226232	1437724	laminin gamma 3	Lamc3	311862	1,15	down
6145824	7226232	1437727	laminin gamma 3	Lamc3	311862	1,65	down
6161816	7226232	1437735	laminin gamma 3	Lamc3	311862	1,59	down
6187228	7226232	1437723	laminin gamma 3	Lamc3	311862	1,10	down
6334460	7226232	1437716	laminin gamma 3	Lamc3	311862	1,05	down
6417463	7226232	1437725	laminin gamma 3	Lamc3	311862	1,17	down
6472139	7226232	1437721	laminin gamma 3	Lamc3	311862	1,14	up
6505648	7226232	1437740	laminin gamma 3	Lamc3	311862	2,18	up
6529683	7226232	1437719	laminin gamma 3	Lamc3	311862	1,16	down
6540474	7226232	1437729	laminin gamma 3	Lamc3	311862	1,96	up
6543113	7226232	1437746	laminin gamma 3	Lamc3	311862	1,20	down
6620838	7226232	1437739	laminin gamma 3	Lamc3	311862	1,40	down
6623428	7226232	1437738	laminin gamma 3	Lamc3	311862	1,15	down
6635319	7226232	1437734	laminin gamma 3	Lamc3	311862	1,09	up
6673092	7226232	1437741	laminin gamma 3	Lamc3	311862	1,04	up
6675751	7226232	1437744	laminin gamma 3	Lamc3	311862	1,40	down
6679166	7226232	1437732	laminin gamma 3	Lamc3	311862	1,19	up
6686204	7226232	1437715	laminin gamma 3	Lamc3	311862	1,14	down
6736304	7226232	1437720	laminin gamma 3	Lamc3	311862	1,19	up
5633483	7358623	1766281	laminin, alpha 1	Lama1	316758	1,50	up
5653247	7358623	1766265	laminin, alpha 1	Lama1	316758	1,12	up
5665304	7358623	1766280	laminin, alpha 1	Lama1	316758	1,55	down
5674321	7358623	1766236	laminin, alpha 1	Lama1	316758	1,03	up
5676497	7358623	1766253	laminin, alpha 1	Lama1	316758	1,02	up
5693949	7358623	1766305	laminin, alpha 1	Lama1	316758	1,64	down
5703347	7358623	1766270	laminin, alpha 1	Lama1	316758	1,08	up
5730380	7358623	1766288	laminin, alpha 1	Lama1	316758	1,35	up
5756389	7358623	1766284	laminin, alpha 1	Lama1	316758	1,04	down
5769353	7358623	1766285	laminin, alpha 1	Lama1	316758	1,02	up
5771197	7358623	1766298	laminin, alpha 1	Lama1	316758	1,07	down
5794097	7358623	1766259	laminin, alpha 1	Lama1	316758	1,24	up
5799246	7358623	1766276	laminin, alpha 1	Lama1	316758	1,01	down
5800274	7358623	1766295	laminin, alpha 1	Lama1	316758	1,00	up
5804810	7358623	1766291	laminin, alpha 1	Lama1	316758	1,03	up
5807196	7358623	1766258	laminin, alpha 1	Lama1	316758	1,12	up
5807297	7358623	1766305	laminin, alpha 1	Lama1	316758	1,09	down
5834216	7358623	1766282	laminin, alpha 1	Lama1	316758	1,48	down
5877894	7358623	1766271	laminin, alpha 1	Lama1	316758	1,09	up
5882015	7358623	1766294	laminin, alpha 1	Lama1	316758	1,02	down
5900262	7358623	1766296	laminin, alpha 1	Lama1	316758	1,45	up
5902560	7358623	1766286	laminin, alpha 1	Lama1	316758	1,57	up
5917090	7358623	1766249	laminin, alpha 1	Lama1	316758	1,20	down
5917450	7358623	1766287	laminin, alpha 1	Lama1	316758	1,14	down
5919580	7358623	1766268	laminin, alpha 1	Lama1	316758	1,22	down
5930077	7358623	1766248	laminin, alpha 1	Lama1	316758	1,88	down

5930980	7358623	1766263	laminin, alpha 1	Lama1	316758	1,00	up
5952072	7358623	1766274	laminin, alpha 1	Lama1	316758	1,09	down
5952264	7358623	1766248	laminin, alpha 1	Lama1	316758	1,15	up
5956110	7358623	1766262	laminin, alpha 1	Lama1	316758	1,18	down
5993295	7358623	1766258	laminin, alpha 1	Lama1	316758	1,07	down
6008925	7358623	1766246	laminin, alpha 1	Lama1	316758	2,16	down
6019379	7358623	1766262	laminin, alpha 1	Lama1	316758	2,28	down
6037784	7358623	1766304	laminin, alpha 1	Lama1	316758	1,88	up
6043330	7358623	1766301	laminin, alpha 1	Lama1	316758	1,15	up
6051684	7358623	1766260	laminin, alpha 1	Lama1	316758	1,02	up
6065005	7358623	1766266	laminin, alpha 1	Lama1	316758	1,03	up
6066326	7358623	1766255	laminin, alpha 1	Lama1	316758	1,06	up
6098480	7358623	1766267	laminin, alpha 1	Lama1	316758	1,21	up
6101098	7358623	1766273	laminin, alpha 1	Lama1	316758	1,13	down
6148189	7358623	1766305	laminin, alpha 1	Lama1	316758	1,01	down
6197447	7358623	1766239	laminin, alpha 1	Lama1	316758	1,02	down
6230164	7358623	1766290	laminin, alpha 1	Lama1	316758	1,36	up
6244177	7358623	1766240	laminin, alpha 1	Lama1	316758	1,17	up
6252328	7358623	1766265	laminin, alpha 1	Lama1	316758	1,37	up
6255998	7358623	1766227	laminin, alpha 1	Lama1	316758	1,49	down
6292839	7358623	1766256	laminin, alpha 1	Lama1	316758	1,23	up
6314169	7358623	1766250	laminin, alpha 1	Lama1	316758	1,14	up
6339632	7358623	1766292	laminin, alpha 1	Lama1	316758	1,00	up
6346246	7358623	1766275	laminin, alpha 1	Lama1	316758	1,41	down
6362044	7358623	1766293	laminin, alpha 1	Lama1	316758	1,50	down
6371915	7358623	1766289	laminin, alpha 1	Lama1	316758	1,21	down
6372275	7358623	1766297	laminin, alpha 1	Lama1	316758	1,00	down
6394869	7358623	1766300	laminin, alpha 1	Lama1	316758	1,13	up
6404872	7358623	1766275	laminin, alpha 1	Lama1	316758	1,04	up
6409411	7358623	1766244	laminin, alpha 1	Lama1	316758	1,02	down
6422018	7358623	1766269	laminin, alpha 1	Lama1	316758	1,45	up
6432211	7358623	1766245	laminin, alpha 1	Lama1	316758	1,25	down
6442787	7358623	1766272	laminin, alpha 1	Lama1	316758	1,30	up
6454929	7358623	1766271	laminin, alpha 1	Lama1	316758	1,34	down
6470483	7358623	1766299	laminin, alpha 1	Lama1	316758	1,53	up
6508730	7358623	1766251	laminin, alpha 1	Lama1	316758	1,03	down
6544412	7358623	1766277	laminin, alpha 1	Lama1	316758	1,42	down
6599563	7358623	1766247	laminin, alpha 1	Lama1	316758	2,23	down
6613934	7358623	1766235	laminin, alpha 1	Lama1	316758	1,17	up
6628945	7358623	1766241	laminin, alpha 1	Lama1	316758	1,08	down
6650520	7358623	1766228	laminin, alpha 1	Lama1	316758	1,06	down
6681138	7358623	1766264	laminin, alpha 1	Lama1	316758	1,72	up
6687681	7358623	1766278	laminin, alpha 1	Lama1	316758	1,69	down
6699358	7358623	1766261	laminin, alpha 1	Lama1	316758	1,18	up
6706525	7358623	1766283	laminin, alpha 1	Lama1	316758	1,23	down
6726345	7358623	1766256	laminin, alpha 1	Lama1	316758	1,01	up
5989896	7025652	950359	laminin, alpha 2	Lama2	309368	1,16	down
6182908	7025652	950220	laminin, alpha 2	Lama2	309368	1,13	down
5671617	7248790	1494501	laminin, alpha 5	Lama5	140433	1,07	up
5876580	7248790	1494500	laminin, alpha 5	Lama5	140433	1,25	down
6012919	7248790	1494501	laminin, alpha 5	Lama5	140433	1,31	up
6079005	7248790	1494502	laminin, alpha 5	Lama5	140433	1,33	down
6632131	7248790	1494501	laminin, alpha 5	Lama5	140433	1,16	up
5641066	7297154	1614239	laminin, beta 1	Lamb1	298941	1,07	down
5663302	7297154	1614227	laminin, beta 1	Lamb1	298941	1,69	down
5704861	7297154	1614215	laminin, beta 1	Lamb1	298941	1,05	up

5769804	7297154	1614214	laminin, beta 1	Lamb1	298941	1,13	down
5797131	7297154	1614254	laminin, beta 1	Lamb1	298941	1,34	down
5826587	7297154	1614257	laminin, beta 1	Lamb1	298941	1,04	up
5892168	7297154	1614219	laminin, beta 1	Lamb1	298941	1,34	up
5917956	7297154	1614214	laminin, beta 1	Lamb1	298941	2,18	up
5930261	7297154	1614240	laminin, beta 1	Lamb1	298941	1,02	up
5947343	7297154	1614230	laminin, beta 1	Lamb1	298941	1,11	up
5993721	7297154	1614229	laminin, beta 1	Lamb1	298941	1,49	down
6000723	7297154	1614237	laminin, beta 1	Lamb1	298941	1,34	up
6026634	7297154	1614214	laminin, beta 1	Lamb1	298941	1,00	up
6035500	7297154	1614235	laminin, beta 1	Lamb1	298941	1,21	down
6043037	7297154	1614223	laminin, beta 1	Lamb1	298941	1,01	up
6103996	7297154	1614250	laminin, beta 1	Lamb1	298941	1,10	down
6190317	7297154	1614236	laminin, beta 1	Lamb1	298941	1,40	up
6212736	7297154	1614249	laminin, beta 1	Lamb1	298941	1,12	down
6267497	7297154	1614260	laminin, beta 1	Lamb1	298941	1,03	up
6284037	7297154	1614255	laminin, beta 1	Lamb1	298941	1,02	down
6351481	7297154	1614231	laminin, beta 1	Lamb1	298941	2,00	up
6360439	7297154	1614218	laminin, beta 1	Lamb1	298941	1,35	down
6373795	7297154	1614259	laminin, beta 1	Lamb1	298941	1,04	up
6400545	7297154	1614239	laminin, beta 1	Lamb1	298941	1,12	down
6406051	7297154	1614253	laminin, beta 1	Lamb1	298941	1,39	up
6419943	7297154	1614248	laminin, beta 1	Lamb1	298941	1,06	down
6459009	7297154	1614260	laminin, beta 1	Lamb1	298941	1,33	up
6486841	7297154	1614222	laminin, beta 1	Lamb1	298941	1,05	up
6500973	7297154	1614234	laminin, beta 1	Lamb1	298941	1,06	down
6554531	7297154	1614238	laminin, beta 1	Lamb1	298941	1,09	down
6617807	7297154	1614228	laminin, beta 1	Lamb1	298941	1,16	down
6621109	7297154	1614260	laminin, beta 1	Lamb1	298941	1,10	up
6638035	7297154	1614226	laminin, beta 1	Lamb1	298941	1,03	up
6668478	7297154	1614243	laminin, beta 1	Lamb1	298941	1,20	up
6715071	7297154	1614259	laminin, beta 1	Lamb1	298941	1,13	up
6736033	7297154	1614242	laminin, beta 1	Lamb1	298941	1,02	up
5705414	7154191	1260805	laminin, beta 2	Lamb2	25473	1,09	down
5730711	7154191	1260790	laminin, beta 2	Lamb2	25473	1,27	down
5744617	7154191	1260804	laminin, beta 2	Lamb2	25473	1,01	up
5782656	7154191	1260817	laminin, beta 2	Lamb2	25473	1,96	down
5787648	7154191	1260818	laminin, beta 2	Lamb2	25473	1,05	down
5804940	7154191	1260802	laminin, beta 2	Lamb2	25473	1,26	up
5811757	7154191	1260816	laminin, beta 2	Lamb2	25473	1,05	up
5859406	7154191	1260799	laminin, beta 2	Lamb2	25473	1,81	up
5884603	7154191	1260812	laminin, beta 2	Lamb2	25473	1,15	down
5913667	7154191	1260820	laminin, beta 2	Lamb2	25473	1,53	down
5958410	7154191	1260806	laminin, beta 2	Lamb2	25473	1,03	down
5981790	7154191	1260796	laminin, beta 2	Lamb2	25473	1,76	up
6031301	7154191	1260820	laminin, beta 2	Lamb2	25473	1,10	down
6043531	7154191	1260814	laminin, beta 2	Lamb2	25473	1,04	up
6145996	7154191	1260791	laminin, beta 2	Lamb2	25473	1,25	up
6175174	7154191	1260803	laminin, beta 2	Lamb2	25473	2,46	up
6205441	7154191	1260793	laminin, beta 2	Lamb2	25473	1,23	up
6208891	7154191	1260810	laminin, beta 2	Lamb2	25473	1,02	up
6231266	7154191	1260809	laminin, beta 2	Lamb2	25473	2,33	up
6236885	7154191	1260806	laminin, beta 2	Lamb2	25473	1,54	down
6243854	7154191	1260792	laminin, beta 2	Lamb2	25473	1,06	up
6277004	7154191	1260816	laminin, beta 2	Lamb2	25473	1,11	down
6302667	7154191	1260807	laminin, beta 2	Lamb2	25473	1,28	down

6309408	7154191	1260795	laminin, beta 2	Lamb2	25473	1,18	up
6355968	7154191	1260794	laminin, beta 2	Lamb2	25473	1,22	up
6369439	7154191	1260815	laminin, beta 2	Lamb2	25473	1,19	down
6408764	7154191	1260816	laminin, beta 2	Lamb2	25473	1,45	up
6412189	7154191	1260797	laminin, beta 2	Lamb2	25473	1,14	up
6432442	7154191	1260808	laminin, beta 2	Lamb2	25473	2,05	down
6483443	7154191	1260811	laminin, beta 2	Lamb2	25473	2,06	down
6484275	7154191	1260813	laminin, beta 2	Lamb2	25473	1,05	up
6515171	7154191	1260800	laminin, beta 2	Lamb2	25473	1,05	up
6536321	7154191	1260801	laminin, beta 2	Lamb2	25473	1,20	up
6567880	7154191	1260816	laminin, beta 2	Lamb2	25473	1,05	down
6600014	7154191	1260819	laminin, beta 2	Lamb2	25473	1,20	up
6634063	7154191	1260813	laminin, beta 2	Lamb2	25473	1,01	down
6638953	7154191	1260820	laminin, beta 2	Lamb2	25473	1,43	down
6691219	7154191	1260798	laminin, beta 2	Lamb2	25473	1,11	up
6720315	7154191	1260789	laminin, beta 2	Lamb2	25473	1,29	up
6734963	7154191	1260813	laminin, beta 2	Lamb2	25473	1,22	down
5625928	7088973	1100897	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,19	down
5834974	7088973	1100906	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,16	up
5861374	7088973	1100896	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,35	down
5882860	7088973	1100901	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,20	down
5954745	7088973	1100904	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,10	down
5968036	7088973	1100906	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,62	down
6332494	7088973	1100905	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,53	up
6343935	7088973	1100900	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,17	down
6364827	7088973	1100898	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,17	down
6371759	7088973	1100902	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,61	up
6400493	7088973	1100894	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,04	up
6423675	7088973	1100905	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,13	up
6456234	7088973	1100906	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,16	up
6486277	7088973	1100895	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,29	up
6581381	7088973	1100899	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,29	down
6650492	7088973	1100906	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,10	down
6669974	7088973	1100892	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,38	up
6716145	7088973	1100903	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	1,12	up
6727473	7088973	1100893	large subunit GTPase 1 homolog (S. cerevisiae)	Lsg1	288029	2,34	down
5876702	7039223	983557	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,12	up
6128071	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	1,08	up
6537695	7039223	983559	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,31	down
6568422	7039223	983558	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,28	down
5660100	7049118	1007777	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,04	down
5660829	7049118	1007761	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,11	up
5714971	7049118	1007796	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,14	up
5757094	7049118	1007767	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,11	down
5797827	7049118	1007773	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,74	down
5846126	7049118	1007774	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,01	up
5874338	7049118	1007771	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,08	up
5893711	7049118	1007783	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,57	down
5896465	7049118	1007763	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,29	up
5916122	7049118	1007765	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,13	up
5916817	7049118	1007769	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,71	up
5969716	7049118	1007787	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,02	up
6051526	7049118	1007781	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,19	up
6064529	7049118	1007764	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,36	down
6079760	7049118	1007778	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,21	down

6097264	7049118	1007780	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,04	up
6115471	7049118	1007781	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,02	up
6125066	7049118	1007775	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,22	up
6146091	7049118	1007781	latent transforming growth factor beta binding protein 4	Ltbp4	292734	2,27	down
6163004	7049118	1007759	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,41	up
6221324	7049118	1007778	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,71	down
6243864	7049118	1007762	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,35	down
6254793	7049118	1007784	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,27	up
6261248	7049118	1007766	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,27	down
6285083	7049118	1007785	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,17	down
6297652	7049118	1007763	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,07	down
6309086	7049118	1007794	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,09	down
6328252	7049118	1007782	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,69	up
6357692	7049118	1007776	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,26	down
6411982	7049118	1007786	latent transforming growth factor beta binding protein 4	Ltbp4	292734	2,21	down
6421128	7049118	1007795	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,05	down
6433602	7049118	1007768	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,57	down
6488723	7049118	1007767	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,53	down
6561127	7049118	1007787	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,00	up
6567641	7049118	1007777	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,23	up
6657539	7049118	1007780	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,28	up
6699038	7049118	1007759	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,04	down
6701888	7049118	1007779	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,31	down
6720408	7049118	1007770	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,00	up
6733632	7049118	1007772	latent transforming growth factor beta binding protein 4	Ltbp4	292734	1,04	up
5630083	7184188	1336058	latrophilin 1	Lphn1	65096	1,17	up
5655929	7184188	1336045	latrophilin 1	Lphn1	65096	1,26	down
5699762	7184188	1336043	latrophilin 1	Lphn1	65096	1,23	down
5709968	7184188	1336056	latrophilin 1	Lphn1	65096	1,36	down
5719895	7184188	1336047	latrophilin 1	Lphn1	65096	1,08	down
5754151	7184188	1336045	latrophilin 1	Lphn1	65096	2,17	down
5810547	7184188	1336059	latrophilin 1	Lphn1	65096	1,15	down
5816837	7184188	1336054	latrophilin 1	Lphn1	65096	1,01	up
5827216	7184188	1336052	latrophilin 1	Lphn1	65096	1,01	up
5880551	7184188	1336053	latrophilin 1	Lphn1	65096	1,01	down
5883676	7184188	1336064	latrophilin 1	Lphn1	65096	1,36	up
5897555	7184188	1336050	latrophilin 1	Lphn1	65096	1,18	down
5906089	7184188	1336062	latrophilin 1	Lphn1	65096	1,08	up
5935319	7184188	1336051	latrophilin 1	Lphn1	65096	1,01	down
5953276	7184188	1336057	latrophilin 1	Lphn1	65096	1,17	down
6017242	7184188	1336049	latrophilin 1	Lphn1	65096	1,06	down
6018923	7184188	1336044	latrophilin 1	Lphn1	65096	1,66	up
6123694	7184188	1336048	latrophilin 1	Lphn1	65096	1,12	up
6178010	7184188	1336043	latrophilin 1	Lphn1	65096	1,37	up
6444557	7184188	1336060	latrophilin 1	Lphn1	65096	1,22	up
6447208	7184188	1336060	latrophilin 1	Lphn1	65096	1,05	up
6494120	7184188	1336063	latrophilin 1	Lphn1	65096	1,14	up
6564543	7184188	1336063	latrophilin 1	Lphn1	65096	1,30	up
6572521	7184188	1336046	latrophilin 1	Lphn1	65096	1,05	up
6633152	7184188	1336055	latrophilin 1	Lphn1	65096	1,17	up
6655365	7184188	1336061	latrophilin 1	Lphn1	65096	1,15	down
6684671	7184188	1336059	latrophilin 1	Lphn1	65096	1,12	down
6729363	7184188	1336045	latrophilin 1	Lphn1	65096	1,10	up
6731385	7184188	1336059	latrophilin 1	Lphn1	65096	1,03	down
5635700	7171690	1303717	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	1,37	down
5755700	7171690	1303716	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	2,05	up

5778322	7171690	1303717	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	1,18	down
6117995	7171690	1303717	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	1,32	up
6156968	7171690	1303719	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	1,21	up
6172766	7171690	1303720	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	1,40	down
6302767	7171690	1303717	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	1,12	up
6708864	7171690	1303718	LEA_4 domain containing protein RGD1359600	RGD1359600	307343	1,11	down
5620316	7080131	1079793	lectin, galactose binding, soluble 5	Lgals5	25475	1,15	down
5966188	7080131	1079792	lectin, galactose binding, soluble 5	Lgals5	25475	2,59	up
5981956	7080131	1079795	lectin, galactose binding, soluble 5	Lgals5	25475	1,33	down
6257488	7080131	1079794	lectin, galactose binding, soluble 5	Lgals5	25475	2,53	up
6337592	7080131	1079796	lectin, galactose binding, soluble 5	Lgals5	25475	1,47	down
5674768	7080134	1079807	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,88	up
5696134	7080134	1079803	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,25	up
5716369	7080134	1079804	lectin, galactoside-binding, soluble, 9	Lgals9	25476	2,32	up
5929969	7080134	1079810	lectin, galactoside-binding, soluble, 9	Lgals9	25476	2,14	down
5970110	7080134	1079800	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,60	up
6032786	7080134	1079801	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,17	down
6145439	7080134	1079805	lectin, galactoside-binding, soluble, 9	Lgals9	25476	2,39	down
6150360	7080134	1079809	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,30	down
6194270	7080134	1079802	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,53	down
6717738	7080134	1079808	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,46	down
6725448	7080134	1079810	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,36	down
5673991	7100307	1128393	lemur tyrosine kinase 2	Lmtk2	304286	1,07	up
5697150	7100307	1128388	lemur tyrosine kinase 2	Lmtk2	304286	1,18	up
5857702	7100307	1128398	lemur tyrosine kinase 2	Lmtk2	304286	1,27	up
5898299	7100307	1128403	lemur tyrosine kinase 2	Lmtk2	304286	1,12	up
6066627	7100307	1128391	lemur tyrosine kinase 2	Lmtk2	304286	1,10	down
6164261	7100307	1128387	lemur tyrosine kinase 2	Lmtk2	304286	1,20	up
6211437	7100307	1128408	lemur tyrosine kinase 2	Lmtk2	304286	1,12	up
6211774	7100307	1128395	lemur tyrosine kinase 2	Lmtk2	304286	1,00	down
6265169	7100307	1128399	lemur tyrosine kinase 2	Lmtk2	304286	1,00	up
6285056	7100307	1128402	lemur tyrosine kinase 2	Lmtk2	304286	1,18	up
6301051	7100307	1128400	lemur tyrosine kinase 2	Lmtk2	304286	1,09	up
6414644	7100307	1128390	lemur tyrosine kinase 2	Lmtk2	304286	1,14	up
6608260	7100307	1128408	lemur tyrosine kinase 2	Lmtk2	304286	1,34	up
6699152	7100307	1128401	lemur tyrosine kinase 2	Lmtk2	304286	1,05	down
5633959	7338076	1715146	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,00	up
5634792	7338076	1715143	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,21	down
5685293	7338076	1715148	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,22	down
5893781	7338076	1715144	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,07	up
5992485	7338076	1715150	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,01	up
6102218	7338076	1715141	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	2,23	down
6113121	7338076	1715145	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,35	up
6229140	7338076	1715141	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,22	up
6295715	7338076	1715140	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,03	down
6336513	7338076	1715141	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,03	up
6364519	7338076	1715141	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,10	down
6369690	7338076	1715149	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,16	up
6406050	7338076	1715151	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,20	up
6409383	7338076	1715147	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,03	up
6480594	7338076	1715142	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Leo1	300837	1,46	down
5661508	7089238	1101647	leprecan-like 1	Leprel1	288016	1,44	down
5668942	7089238	1101657	leprecan-like 1	Leprel1	288016	1,27	down
5757906	7089238	1101651	leprecan-like 1	Leprel1	288016	1,08	up
5879273	7089238	1101656	leprecan-like 1	Leprel1	288016	1,21	down
5923887	7089238	1101665	leprecan-like 1	Leprel1	288016	1,70	up

5966850	7089238	1101655	leprecan-like 1	Leprel1	288016	1,00	down
6032630	7089238	1101661	leprecan-like 1	Leprel1	288016	1,22	up
6097652	7089238	1101617	leprecan-like 1	Leprel1	288016	1,01	up
6154351	7089238	1101654	leprecan-like 1	Leprel1	288016	1,51	up
6193603	7089238	1101653	leprecan-like 1	Leprel1	288016	1,10	down
6205711	7089238	1101660	leprecan-like 1	Leprel1	288016	1,07	up
6262878	7089238	1101646	leprecan-like 1	Leprel1	288016	1,09	down
6291429	7089238	1101658	leprecan-like 1	Leprel1	288016	1,08	down
6294442	7089238	1101659	leprecan-like 1	Leprel1	288016	2,33	down
6334109	7089238	1101616	leprecan-like 1	Leprel1	288016	1,10	up
6397752	7089238	1101616	leprecan-like 1	Leprel1	288016	1,03	up
6484432	7089238	1101652	leprecan-like 1	Leprel1	288016	1,01	up
6563842	7089238	1101616	leprecan-like 1	Leprel1	288016	1,03	up
5618521	7277745	1567227	leptin receptor	Lepr	24536	1,41	up
5684413	7277745	1567221	leptin receptor	Lepr	24536	1,48	up
5758362	7277745	1567234	leptin receptor	Lepr	24536	1,09	down
5826939	7277745	1567230	leptin receptor	Lepr	24536	1,04	up
5858497	7277745	1567228	leptin receptor	Lepr	24536	1,24	down
5890414	7277745	1567231	leptin receptor	Lepr	24536	1,02	down
5900566	7277745	1567219	leptin receptor	Lepr	24536	1,35	up
5936574	7277745	1567233	leptin receptor	Lepr	24536	1,15	down
5943315	7277745	1567222	leptin receptor	Lepr	24536	1,07	down
6083002	7277745	1567225	leptin receptor	Lepr	24536	1,27	down
6115388	7277745	1567220	leptin receptor	Lepr	24536	1,37	up
6143612	7277745	1567226	leptin receptor	Lepr	24536	1,45	down
6211967	7277745	1567232	leptin receptor	Lepr	24536	1,69	up
6259502	7277745	1567220	leptin receptor	Lepr	24536	1,22	down
6360297	7277745	1567233	leptin receptor	Lepr	24536	1,49	down
6510961	7277745	1567229	leptin receptor	Lepr	24536	1,35	down
6525817	7277745	1567225	leptin receptor	Lepr	24536	1,05	up
6691340	7277745	1567223	leptin receptor	Lepr	24536	1,28	up
6716692	7277745	1567224	leptin receptor	Lepr	24536	1,01	down
6051622	7277745	1567216	leptin receptor overlapping transcript	Leprot	56766	1,28	up
6074695	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,01	down
6075890	7277745	1567217	leptin receptor overlapping transcript	Leprot	56766	1,06	down
6183583	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,30	up
6213432	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,27	down
6531276	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,31	down
6597387	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	2,02	up
6632327	7277745	1567215	leptin receptor overlapping transcript	Leprot	56766	1,12	up
6695876	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,28	up
6044372	7277745	1567214	leptin receptor overlapping transcript /// leptin receptor	Leprot /// Lepr	56766 /// 24536	1,23	up
5758273	7279032	1570548	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,07	up
5968507	7279032	1570561	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,13	down
5977853	7279032	1570557	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,01	down
6061996	7279032	1570554	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,07	down
6062423	7279032	1570560	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,32	up
6076143	7279032	1570546	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,32	up
6114919	7279032	1570550	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,05	up
6321779	7279032	1570558	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,33	down
6353970	7279032	1570559	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,08	up
6425490	7279032	1570560	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,14	up
6454581	7279032	1570552	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	3,68	down
6501138	7279032	1570555	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,11	up
6511812	7279032	1570551	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,02	up
6533532	7279032	1570556	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,03	down

6583619	7279032	1570553	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,02	up
6657176	7279032	1570549	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,49	up
6669739	7279032	1570547	leucine proline-enriched proteoglycan (leprecan) 1	Lepre1	114200	1,12	up
5626075	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,01	up
5643528	7357599	1763610	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	1,07	down
5760509	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,96	down
5792635	7357599	1763607	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,74	up
5865594	7357599	1763608	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,46	down
5919777	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,39	down
5956712	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	2,72	down
5982181	7357599	1763612	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	2,04	down
5994890	7357599	1763615	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,27	up
6124157	7357599	1763616	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,43	up
6311886	7357599	1763615	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,16	down
6457884	7357599	1763611	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,03	up
6601203	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,10	down
6606626	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,62	up
6719551	7357599	1763613	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,62	up
5948617	7206133	1389975	leucine rich repeat and coiled-coil domain containing 1	Lrrcc1	266808	1,05	up
6294690	7206133	1389973	leucine rich repeat and coiled-coil domain containing 1	Lrrcc1	266808	1,17	down
6350005	7206133	1389972	leucine rich repeat and coiled-coil domain containing 1	Lrrcc1	266808	1,41	up
6370968	7206133	1389963	leucine rich repeat and coiled-coil domain containing 1	Lrrcc1	266808	1,86	down
6377709	7206133	1389976	leucine rich repeat and coiled-coil domain containing 1	Lrrcc1	266808	1,16	down
6702895	7206133	1389974	leucine rich repeat and coiled-coil domain containing 1	Lrrcc1	266808	1,24	up
5815996	7201217	1378775	leucine rich repeat containing 40	Lrrc40	310946	1,10	up
5991948	7201217	1378774	leucine rich repeat containing 40	Lrrc40	310946	1,71	down
6005695	7201217	1378768	leucine rich repeat containing 40	Lrrc40	310946	1,01	up
6045114	7201217	1378769	leucine rich repeat containing 40	Lrrc40	310946	1,45	up
6111495	7201217	1378771	leucine rich repeat containing 40	Lrrc40	310946	1,11	up
6279693	7201217	1378770	leucine rich repeat containing 40	Lrrc40	310946	1,28	down
6458552	7201217	1378776	leucine rich repeat containing 40	Lrrc40	310946	1,64	up
6520097	7201217	1378767	leucine rich repeat containing 40	Lrrc40	310946	1,05	down
6665055	7201217	1378772	leucine rich repeat containing 40	Lrrc40	310946	1,57	down
6667971	7201217	1378766	leucine rich repeat containing 40	Lrrc40	310946	1,05	up
6722155	7201217	1378773	leucine rich repeat containing 40	Lrrc40	310946	1,36	down
5785236	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,16	up
5805767	7241163	1476822	leucine rich repeat containing 55	Lrrc55	311171	1,64	down
5903329	7241163	1476820	leucine rich repeat containing 55	Lrrc55	311171	1,15	up
6064538	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,63	up
6076344	7241163	1476822	leucine rich repeat containing 55	Lrrc55	311171	1,63	up
6094946	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,37	down
6309630	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,24	down
6317124	7241163	1476823	leucine rich repeat containing 55	Lrrc55	311171	1,40	up
5918747	7255120	1510366	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,21	up
6336039	7255120	1510366	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	2,15	down
6436029	7255120	1510369	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	2,64	down
6463627	7255120	1510367	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,39	down
6478510	7255120	1510374	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,17	up
6491227	7255120	1510366	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,12	down
6675985	7255120	1510368	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,18	down
5739317	7052385	1014770	leucine-rich repeat kinase 1	Lrrk1	308703	1,15	up
5781081	7052385	1014769	leucine-rich repeat kinase 1	Lrrk1	308703	1,40	up
5830327	7052385	1014770	leucine-rich repeat kinase 1	Lrrk1	308703	1,65	down
5986973	7052385	1014770	leucine-rich repeat kinase 1	Lrrk1	308703	1,04	up
6428450	7052385	1014769	leucine-rich repeat kinase 1	Lrrk1	308703	1,16	down

6610509	7052385	1014816	leucine-rich repeat kinase 1	Lrrk1	308703	1,76	down
6700621	7052385	1014816	leucine-rich repeat kinase 1	Lrrk1	308703	1,15	down
5666306	7319937	1672319	leucine-rich repeat kinase 2	Lrrk2	300160	1,10	up
5829965	7319937	1672319	leucine-rich repeat kinase 2	Lrrk2	300160	1,10	up
5900824	7319937	1672315	leucine-rich repeat kinase 2	Lrrk2	300160	1,23	down
5984418	7319937	1672315	leucine-rich repeat kinase 2	Lrrk2	300160	1,02	up
6067320	7319937	1672318	leucine-rich repeat kinase 2	Lrrk2	300160	1,59	down
6089618	7319937	1672312	leucine-rich repeat kinase 2	Lrrk2	300160	1,07	down
6092408	7319937	1672314	leucine-rich repeat kinase 2	Lrrk2	300160	1,00	down
6452700	7319937	1672316	leucine-rich repeat kinase 2	Lrrk2	300160	1,01	down
6453845	7319937	1672311	leucine-rich repeat kinase 2	Lrrk2	300160	1,32	up
6702414	7319937	1672313	leucine-rich repeat kinase 2	Lrrk2	300160	1,16	up
5694014	7140113	1226064	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,05	up
5801651	7140113	1226060	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,06	down
6000783	7140113	1226046	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,64	down
6025874	7140113	1226056	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,09	up
6062388	7140113	1226067	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,41	up
6135163	7140113	1226077	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,51	up
6139434	7140113	1226051	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,00	down
6140819	7140113	1226046	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,51	up
6188854	7140113	1226069	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,41	up
6192717	7140113	1226062	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,45	down
6233365	7140113	1226073	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,40	up
6234125	7140113	1226078	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,31	up
6275849	7140113	1226072	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	2,18	up
6291083	7140113	1226071	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,13	down
6394000	7140113	1226089	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,03	down
6463975	7140113	1226058	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,12	down
6574775	7140113	1226052	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,61	down
6612775	7140113	1226049	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,13	up
6635526	7140113	1226074	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,58	up
6653709	7140113	1226061	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,51	down
5671457	7373906	1806363	leucine-rich repeats and calponin homology (CH) domain containing 2	Lrch2	680591	1,10	up
5674407	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,09	up
5679708	7168876	1296929	LIM and senescent cell antigen like domains 2	Lims2	361303	1,28	up
5713278	7168876	1296927	LIM and senescent cell antigen like domains 2	Lims2	361303	2,19	up
5847785	7168876	1296923	LIM and senescent cell antigen like domains 2	Lims2	361303	1,03	down
5909114	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,05	down
5930248	7168876	1296928	LIM and senescent cell antigen like domains 2	Lims2	361303	1,82	down
6045857	7168876	1296924	LIM and senescent cell antigen like domains 2	Lims2	361303	1,22	up
6223696	7168876	1296926	LIM and senescent cell antigen like domains 2	Lims2	361303	1,10	down
6249489	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,54	down
6296837	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,30	down
6436846	7168876	1296931	LIM and senescent cell antigen like domains 2	Lims2	361303	1,15	down
6436883	7168876	1296931	LIM and senescent cell antigen like domains 2	Lims2	361303	1,26	up
6485534	7168876	1296922	LIM and senescent cell antigen like domains 2	Lims2	361303	1,12	up
6649842	7168876	1296925	LIM and senescent cell antigen like domains 2	Lims2	361303	1,07	down
6710069	7168876	1296929	LIM and senescent cell antigen like domains 2	Lims2	361303	1,08	down
5694591	7134690	1212765	LIM domain 7	Lmo7	361084	1,14	up
5706429	7134690	1212777	LIM domain 7	Lmo7	361084	1,11	down
5756661	7134690	1212763	LIM domain 7	Lmo7	361084	1,07	up
5859837	7134690	1212760	LIM domain 7	Lmo7	361084	1,21	up
5882742	7134690	1212766	LIM domain 7	Lmo7	361084	2,18	down
5926297	7134690	1212761	LIM domain 7	Lmo7	361084	1,00	up
5937924	7134690	1212762	LIM domain 7	Lmo7	361084	1,06	down
6002692	7134690	1212765	LIM domain 7	Lmo7	361084	1,13	down

6077922	7134690	1212775	LIM domain 7	Lmo7	361084	1,01	down
6097733	7134690	1212747	LIM domain 7	Lmo7	361084	1,46	up
6113974	7134690	1212749	LIM domain 7	Lmo7	361084	1,21	down
6114001	7134690	1212750	LIM domain 7	Lmo7	361084	1,14	up
6166389	7134690	1212750	LIM domain 7	Lmo7	361084	1,26	up
6171837	7134690	1212752	LIM domain 7	Lmo7	361084	1,44	down
6250677	7134690	1212760	LIM domain 7	Lmo7	361084	1,13	up
6279095	7134690	1212770	LIM domain 7	Lmo7	361084	1,28	down
6290879	7134690	1212748	LIM domain 7	Lmo7	361084	1,23	up
6310872	7134690	1212776	LIM domain 7	Lmo7	361084	1,05	down
6345786	7134690	1212754	LIM domain 7	Lmo7	361084	1,09	down
6407634	7134690	1212767	LIM domain 7	Lmo7	361084	1,09	up
6430471	7134690	1212765	LIM domain 7	Lmo7	361084	1,05	up
6445003	7134690	1212757	LIM domain 7	Lmo7	361084	1,30	up
6477198	7134690	1212771	LIM domain 7	Lmo7	361084	1,63	up
6488384	7134690	1212751	LIM domain 7	Lmo7	361084	1,11	up
6496589	7134690	1212772	LIM domain 7	Lmo7	361084	1,12	up
6503128	7134690	1212758	LIM domain 7	Lmo7	361084	1,05	up
6515601	7134690	1212759	LIM domain 7	Lmo7	361084	1,13	down
6518228	7134690	1212753	LIM domain 7	Lmo7	361084	1,23	down
6556390	7134690	1212774	LIM domain 7	Lmo7	361084	1,26	down
6559183	7134690	1212771	LIM domain 7	Lmo7	361084	1,13	up
6559486	7134690	1212754	LIM domain 7	Lmo7	361084	1,07	up
6578402	7134690	1212756	LIM domain 7	Lmo7	361084	1,28	down
6611015	7134690	1212773	LIM domain 7	Lmo7	361084	1,12	down
6620091	7134690	1212764	LIM domain 7	Lmo7	361084	1,58	down
6658183	7134690	1212769	LIM domain 7	Lmo7	361084	1,17	down
6662292	7134690	1212765	LIM domain 7	Lmo7	361084	1,19	up
6666182	7134690	1212761	LIM domain 7	Lmo7	361084	1,02	up
6666634	7134690	1212768	LIM domain 7	Lmo7	361084	1,08	up
6671012	7134690	1212755	LIM domain 7	Lmo7	361084	1,01	down
6674144	7134690	1212760	LIM domain 7	Lmo7	361084	1,26	down
6711016	7134690	1212755	LIM domain 7	Lmo7	361084	1,01	up
6729801	7134690	1212755	LIM domain 7	Lmo7	361084	1,00	down
5780335	7119556	1176078	LIM domain binding 2	Ldb2	289664	1,12	down
5817278	7119556	1176071	LIM domain binding 2	Ldb2	289664	1,30	up
5827061	7119556	1176078	LIM domain binding 2	Ldb2	289664	1,49	down
6135758	7119556	1176024	LIM domain binding 2	Ldb2	289664	1,05	down
6171045	7119556	1176059	LIM domain binding 2	Ldb2	289664	1,22	up
6224395	7119556	1176078	LIM domain binding 2	Ldb2	289664	1,03	down
6399866	7119556	1176058	LIM domain binding 2	Ldb2	289664	1,09	up
6480851	7119556	1176073	LIM domain binding 2	Ldb2	289664	2,03	down
6556793	7119556	1176046	LIM domain binding 2	Ldb2	289664	1,02	up
6614971	7119556	1176024	LIM domain binding 2	Ldb2	289664	1,06	down
6679030	7119556	1176056	LIM domain binding 2	Ldb2	289664	1,30	down
5635142	7094687	1114325	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,00	down
5837325	7094687	1114324	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,33	up
5855915	7094687	1114322	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,45	down
5895758	7094687	1114323	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,03	down
5948026	7094687	1114318	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,31	up
6104386	7094687	1114321	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,08	down
6112881	7094687	1114320	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,34	up
6167860	7094687	1114319	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,49	up
6307426	7094687	1114327	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	2,35	down
6372464	7094687	1114323	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,25	up
6420027	7094687	1114325	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,01	down

6504962	7094687	1114317	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,33	down
6650810	7094687	1114326	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,13	down
6735594	7094687	1114323	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,29	up
5709706	7230698	1449070	LIM domain only 2	Lmo2	362176	2,39	up
6032821	7230698	1449067	LIM domain only 2	Lmo2	362176	3,30	down
6377013	7230698	1449073	LIM domain only 2	Lmo2	362176	2,59	up
6446894	7230698	1449067	LIM domain only 2	Lmo2	362176	1,40	down
6501126	7230698	1449073	LIM domain only 2	Lmo2	362176	2,69	up
6689357	7230698	1449067	LIM domain only 2	Lmo2	362176	1,63	up
5773293	7080819	1081190	LIM homeobox 1	Lhx1	257634	2,09	down
5775901	7080819	1081192	LIM homeobox 1	Lhx1	257634	1,03	up
6381572	7080819	1081193	LIM homeobox 1	Lhx1	257634	1,13	up
6409441	7080819	1081189	LIM homeobox 1	Lhx1	257634	1,44	down
6419788	7080819	1081191	LIM homeobox 1	Lhx1	257634	1,18	down
6556360	7080819	1081193	LIM homeobox 1	Lhx1	257634	1,16	up
5618077	7314646	1658589	lin-7 homolog a (C. elegans)	Lin7a	85327	1,23	up
5644522	7314646	1658586	lin-7 homolog a (C. elegans)	Lin7a	85327	1,03	down
5658848	7314646	1658590	lin-7 homolog a (C. elegans)	Lin7a	85327	2,18	down
5686014	7314646	1658587	lin-7 homolog a (C. elegans)	Lin7a	85327	1,03	down
5951158	7314646	1658585	lin-7 homolog a (C. elegans)	Lin7a	85327	1,21	down
6423753	7314646	1658588	lin-7 homolog a (C. elegans)	Lin7a	85327	1,23	down
5650231	7330737	1697215	lipase maturation factor 2	Lmf2	315218	1,05	down
5688098	7330737	1697220	lipase maturation factor 2	Lmf2	315218	1,21	down
5717510	7330737	1697218	lipase maturation factor 2	Lmf2	315218	1,34	down
5883742	7330737	1697221	lipase maturation factor 2	Lmf2	315218	1,27	down
5900183	7330737	1697222	lipase maturation factor 2	Lmf2	315218	1,33	up
5913689	7330737	1697221	lipase maturation factor 2	Lmf2	315218	1,20	down
5945155	7330737	1697218	lipase maturation factor 2	Lmf2	315218	1,29	down
5976987	7330737	1697219	lipase maturation factor 2	Lmf2	315218	1,26	down
5996342	7330737	1697218	lipase maturation factor 2	Lmf2	315218	1,16	down
6030490	7330737	1697222	lipase maturation factor 2	Lmf2	315218	1,13	up
6044751	7330737	1697221	lipase maturation factor 2	Lmf2	315218	1,30	up
6156084	7330737	1697216	lipase maturation factor 2	Lmf2	315218	2,56	down
6176711	7330737	1697215	lipase maturation factor 2	Lmf2	315218	1,20	up
6229190	7330737	1697220	lipase maturation factor 2	Lmf2	315218	1,33	down
6310459	7330737	1697222	lipase maturation factor 2	Lmf2	315218	1,46	down
6466687	7330737	1697217	lipase maturation factor 2	Lmf2	315218	1,09	down
6473490	7330737	1697217	lipase maturation factor 2	Lmf2	315218	1,20	up
6549287	7330737	1697222	lipase maturation factor 2	Lmf2	315218	1,67	up
6596861	7330737	1697221	lipase maturation factor 2	Lmf2	315218	1,11	down
6626475	7330737	1697221	lipase maturation factor 2	Lmf2	315218	1,09	up
6646248	7330737	1697215	lipase maturation factor 2	Lmf2	315218	1,18	down
5833224	7225317	1435354	lipocalin 10	Lcn10	499756	1,07	up
5969550	7225317	1435357	lipocalin 10	Lcn10	499756	1,00	up
6305506	7225317	1435359	lipocalin 10	Lcn10	499756	3,32	up
6433488	7225317	1435361	lipocalin 10	Lcn10	499756	1,15	up
6447730	7225317	1435355	lipocalin 10	Lcn10	499756	1,06	down
6601901	7225317	1435360	lipocalin 10	Lcn10	499756	1,17	down
6658397	7225317	1435362	lipocalin 10	Lcn10	499756	1,11	down
5705579	7237648	1467240	lipocalin 2	Lcn2	170496	2,07	up
5850941	7237648	1467244	lipocalin 2	Lcn2	170496	1,99	down
5929350	7237648	1467243	lipocalin 2	Lcn2	170496	1,45	up
6086593	7237648	1467242	lipocalin 2	Lcn2	170496	1,37	up
6240332	7237648	1467239	lipocalin 2	Lcn2	170496	1,12	up
6498785	7237648	1467241	lipocalin 2	Lcn2	170496	2,13	up
6736095	7237648	1467244	lipocalin 2	Lcn2	170496	1,66	down

5724600	7260636	1524325	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,01	down
6105560	7260636	1524325	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,07	down
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	1,00	up
6597424	7260636	1524325	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,27	down
6700359	7260636	1524367	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	3,37	down
5661839	7234696	1460025	lipopolysaccharide binding protein	Lbp	29469	1,02	up
5722680	7234696	1460012	lipopolysaccharide binding protein	Lbp	29469	1,08	down
5752210	7234696	1460023	lipopolysaccharide binding protein	Lbp	29469	1,27	up
5901546	7234696	1460015	lipopolysaccharide binding protein	Lbp	29469	1,06	down
6028665	7234696	1460017	lipopolysaccharide binding protein	Lbp	29469	1,05	up
6170150	7234696	1460022	lipopolysaccharide binding protein	Lbp	29469	1,71	up
6196936	7234696	1460019	lipopolysaccharide binding protein	Lbp	29469	1,36	down
6197141	7234696	1460021	lipopolysaccharide binding protein	Lbp	29469	1,19	up
6271251	7234696	1460013	lipopolysaccharide binding protein	Lbp	29469	1,49	down
6310866	7234696	1460011	lipopolysaccharide binding protein	Lbp	29469	1,39	down
6314171	7234696	1460018	lipopolysaccharide binding protein	Lbp	29469	1,00	up
6315952	7234696	1460020	lipopolysaccharide binding protein	Lbp	29469	1,15	down
6412887	7234696	1460014	lipopolysaccharide binding protein	Lbp	29469	1,73	up
6466834	7234696	1460024	lipopolysaccharide binding protein	Lbp	29469	1,37	up
6637226	7234696	1460010	lipopolysaccharide binding protein	Lbp	29469	1,16	down
6658862	7234696	1460016	lipopolysaccharide binding protein	Lbp	29469	2,81	up
5758699	7027759	956126	LOC361485	RGD1309374	361485	1,11	down
5880669	7027759	956126	LOC361485	RGD1309374	361485	1,10	down
5896288	7027759	956121	LOC361485	RGD1309374	361485	1,11	down
5926377	7027759	956122	LOC361485	RGD1309374	361485	1,13	up
6116959	7027759	956126	LOC361485	RGD1309374	361485	1,16	up
6128433	7027759	956126	LOC361485	RGD1309374	361485	1,14	up
6276710	7027759	956126	LOC361485	RGD1309374	361485	1,19	down
6370686	7027759	956130	LOC361485	RGD1309374	361485	2,44	up
6429195	7027759	956127	LOC361485	RGD1309374	361485	1,23	down
6485794	7027759	956123	LOC361485	RGD1309374	361485	1,03	up
6555707	7027759	956127	LOC361485	RGD1309374	361485	1,49	up
6564279	7027759	956126	LOC361485	RGD1309374	361485	1,21	up
6698310	7027759	956124	LOC361485	RGD1309374	361485	1,05	up
6700555	7027759	956126	LOC361485	RGD1309374	361485	1,09	up
5766148	7027759	956139	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,26	down
5766651	7027759	956139	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,40	down
5934635	7027759	956139	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,76	down
6139078	7027759	956138	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,05	up
6255866	7027759	956141	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,09	down
6266144	7027759	956140	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,08	down
6467882	7027759	956142	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,43	down
6486622	7027759	956120	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,10	down
6516032	7027759	956142	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,03	up
6715765	7027759	956135	LOC361485 /// similar to chromosome 6 open reading frame 70	1309374 /// RGD15c	361485 /// 499055	1,36	down
5640404	7367969	1789103	lon peptidase 1, mitochondrial	Lonp1	170916	1,13	down
5899658	7367969	1789092	lon peptidase 1, mitochondrial	Lonp1	170916	1,10	down
6022174	7367969	1789095	lon peptidase 1, mitochondrial	Lonp1	170916	1,23	down
6023605	7367969	1789091	lon peptidase 1, mitochondrial	Lonp1	170916	1,14	down
6036187	7367969	1789093	lon peptidase 1, mitochondrial	Lonp1	170916	1,14	up
6082057	7367969	1789105	lon peptidase 1, mitochondrial	Lonp1	170916	1,29	down
6104963	7367969	1789090	lon peptidase 1, mitochondrial	Lonp1	170916	1,49	up
6130603	7367969	1789105	lon peptidase 1, mitochondrial	Lonp1	170916	1,59	down
6173497	7367969	1789101	lon peptidase 1, mitochondrial	Lonp1	170916	1,09	up
6194718	7367969	1789103	lon peptidase 1, mitochondrial	Lonp1	170916	1,02	up

6228511	7367969	1789094	lon peptidase 1, mitochondrial	Lonp1	170916	1,16	up
6263106	7367969	1789099	lon peptidase 1, mitochondrial	Lonp1	170916	1,02	up
6264914	7367969	1789104	lon peptidase 1, mitochondrial	Lonp1	170916	1,06	up
6305909	7367969	1789102	lon peptidase 1, mitochondrial	Lonp1	170916	1,06	down
6414782	7367969	1789100	lon peptidase 1, mitochondrial	Lonp1	170916	1,17	up
6431954	7367969	1789088	lon peptidase 1, mitochondrial	Lonp1	170916	1,00	down
6479094	7367969	1789087	lon peptidase 1, mitochondrial	Lonp1	170916	1,63	down
6604495	7367969	1789094	lon peptidase 1, mitochondrial	Lonp1	170916	1,19	up
6642405	7367969	1789097	lon peptidase 1, mitochondrial	Lonp1	170916	1,02	up
6665246	7367969	1789105	lon peptidase 1, mitochondrial	Lonp1	170916	1,05	down
5659523	7378981	1818553	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,11	down
5673134	7378981	1818536	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,47	up
5731338	7378981	1818538	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,23	up
5799332	7378981	1818551	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,13	down
6124245	7378981	1818553	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,23	up
6138296	7378981	1818545	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,15	up
6140431	7378981	1818546	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,34	down
6176023	7378981	1818537	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,25	up
6226851	7378981	1818533	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,66	down
6281895	7378981	1818545	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,14	down
6288356	7378981	1818543	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,50	up
6377183	7378981	1818541	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,02	up
6511757	7378981	1818548	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,47	up
6547979	7378981	1818553	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,34	up
6671178	7378981	1818539	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,24	down
6714204	7378981	1818534	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,07	up
6714539	7378981	1818554	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,12	down
5638682	7230017	1447452	low density lipoprotein receptor-related protein 4	Lrp4	83469	2,28	up
5658261	7230017	1447428	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,33	down
5683726	7230017	1447438	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	down
5720411	7230017	1447459	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,41	down
5721915	7230017	1447449	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,44	up
5851977	7230017	1447431	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,30	up
5917942	7230017	1447459	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,21	down
5938428	7230017	1447440	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,06	up
5939938	7230017	1447461	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,06	up
5965632	7230017	1447453	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,06	down
5979647	7230017	1447435	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,26	down
6047868	7230017	1447437	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,24	down
6057267	7230017	1447432	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,36	up
6062595	7230017	1447454	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,15	down
6094461	7230017	1447434	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,12	down
6167817	7230017	1447450	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,14	up
6223672	7230017	1447427	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,02	up
6247363	7230017	1447455	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,08	up
6270232	7230017	1447426	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	down
6270827	7230017	1447460	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,36	down
6278375	7230017	1447461	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,87	down
6291009	7230017	1447464	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,18	up
6307504	7230017	1447432	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,03	up
6312146	7230017	1447441	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,07	down
6325618	7230017	1447440	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,09	down
6334988	7230017	1447464	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	down
6340691	7230017	1447433	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,11	down
6348580	7230017	1447444	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,77	down
6371891	7230017	1447451	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,02	up

6373741	7230017	1447462	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,04	up
6389226	7230017	1447447	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,00	up
6406294	7230017	1447456	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,23	up
6407906	7230017	1447463	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,13	down
6415257	7230017	1447436	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,03	up
6424539	7230017	1447429	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,20	down
6426653	7230017	1447457	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,27	down
6442275	7230017	1447441	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,78	up
6446123	7230017	1447464	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,38	down
6448241	7230017	1447445	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,33	up
6482041	7230017	1447446	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,14	up
6548899	7230017	1447458	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,03	up
6553650	7230017	1447443	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,32	up
6559403	7230017	1447430	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	up
6576969	7230017	1447448	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,43	down
6579441	7230017	1447439	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,02	up
6735012	7230017	1447442	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,03	up
5704707	7120169	1177813	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,21	down
5883930	7120169	1177820	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,09	down
5925104	7120169	1177821	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,10	down
5942690	7120169	1177821	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,10	up
6049719	7120169	1177817	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,15	down
6163916	7120169	1177812	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,03	up
6221904	7120169	1177816	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,08	down
6297442	7120169	1177818	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,20	up
6493346	7120169	1177814	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	2,33	down
6580250	7120169	1177815	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,03	up
6623698	7120169	1177821	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	116565	1,33	up
5618667	7238252	1469118	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,31	down
5627327	7238252	1469119	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,12	up
5628551	7238252	1469165	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	2,25	down
5671328	7238252	1469181	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	down
5672926	7238252	1469211	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
5678825	7238252	1469195	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	up
5680816	7238252	1469257	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,21	down
5684574	7238252	1469121	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,41	down
5695000	7238252	1469213	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,56	down
5695607	7238252	1469138	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,21	up
5696816	7238252	1469203	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,40	down
5703403	7238252	1469106	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,09	down
5706610	7238252	1469178	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	down
5720443	7238252	1469153	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,12	down
5731248	7238252	1469256	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,33	up
5738146	7238252	1469099	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
5739997	7238252	1469235	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,29	down
5752702	7238252	1469086	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,27	up
5769587	7238252	1469175	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,34	up
5793289	7238252	1469132	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	2,29	up
5793520	7238252	1469140	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
5820909	7238252	1469174	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	down
5833551	7238252	1469144	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,46	down
5841412	7238252	1469244	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,13	down
5855204	7238252	1469192	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,62	up
5862882	7238252	1469109	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	up
5867359	7238252	1469131	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
5884529	7238252	1469139	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	down

5910494	7238252	1469152	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,45	down
5934386	7238252	1469085	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,05	down
5949965	7238252	1469112	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,22	down
5968084	7238252	1469135	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,11	up
5977384	7238252	1469192	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,16	up
5995370	7238252	1469096	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	down
5995793	7238252	1469143	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,07	down
6010827	7238252	1469175	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	down
6011816	7238252	1469200	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,23	down
6028197	7238252	1469205	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	1,06	up
6029978	7238252	1469164	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,19	down
6047191	7238252	1469122	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,16	down
6053733	7238252	1469110	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,26	down
6056268	7238252	1469122	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,61	up
6067155	7238252	1469137	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,05	up
6076265	7238252	1469240	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6112602	7238252	1469097	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,07	up
6112728	7238252	1469085	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	up
6114321	7238252	1469166	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,12	down
6129854	7238252	1469107	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,52	down
6144650	7238252	1469214	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	down
6159591	7238252	1469168	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,77	up
6163526	7238252	1469223	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,26	down
6183215	7238252	1469181	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6184171	7238252	1469136	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,21	up
6193440	7238252	1469093	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,20	down
6202854	7238252	1469201	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,08	up
6217371	7238252	1469127	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
6237994	7238252	1469104	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,10	down
6264104	7238252	1469191	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,39	up
6281145	7238252	1469132	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	up
6284958	7238252	1469163	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	up
6313661	7238252	1469224	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,16	up
6319851	7238252	1469142	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	down
6335297	7238252	1469182	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,29	down
6344375	7238252	1469101	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6357664	7238252	1469198	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,54	up
6365964	7238252	1469222	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,49	down
6379417	7238252	1469199	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,04	down
6414541	7238252	1469204	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,24	down
6426334	7238252	1469089	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	down
6427665	7238252	1469095	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,14	up
6443747	7238252	1469136	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,26	down
6476270	7238252	1469153	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6481078	7238252	1469102	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,07	down
6485438	7238252	1469168	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,37	up
6495311	7238252	1469152	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,07	down
6496034	7238252	1469216	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	down
6524210	7238252	1469196	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,08	down
6528566	7238252	1469197	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	up
6530153	7238252	1469141	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,62	down
6535280	7238252	1469167	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,05	up
6537743	7238252	1469221	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,14	down
6557361	7238252	1469245	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	up
6576022	7238252	1469293	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,46	down

6577648	7238252	1469087	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,52	up
6578946	7238252	1469206	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,19	down
6581465	7238252	1469123	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	up
6603210	7238252	1469105	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
6603280	7238252	1469103	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,92	down
6611128	7238252	1469100	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,19	down
6611435	7238252	1469224	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,05	down
6615822	7238252	1469108	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	down
6617790	7238252	1469098	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,33	down
6619401	7238252	1469120	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,09	down
6645923	7238252	1469092	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6659588	7238252	1469113	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,09	down
6673221	7238252	1469088	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,14	up
6697158	7238252	1469271	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	down
6699133	7238252	1469202	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,39	up
6710672	7238252	1469140	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
6714724	7238252	1469132	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,26	down
6719285	7238252	1469173	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	2,18	down
6740420	7238252	1469126	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,23	down
5621906	7239931	1473742	low density lipoprotein-related protein 2	Lrp2	29216	1,07	down
5628401	7239931	1473701	low density lipoprotein-related protein 2	Lrp2	29216	1,14	up
5631106	7239931	1473724	low density lipoprotein-related protein 2	Lrp2	29216	1,11	down
5639900	7239931	1473727	low density lipoprotein-related protein 2	Lrp2	29216	1,09	down
5643295	7239931	1473734	low density lipoprotein-related protein 2	Lrp2	29216	1,40	down
5658142	7239931	1473716	low density lipoprotein-related protein 2	Lrp2	29216	1,38	up
5660345	7239931	1473738	low density lipoprotein-related protein 2	Lrp2	29216	1,84	up
5663249	7239931	1473741	low density lipoprotein-related protein 2	Lrp2	29216	1,08	up
5672467	7239931	1473730	low density lipoprotein-related protein 2	Lrp2	29216	1,02	down
5677014	7239931	1473722	low density lipoprotein-related protein 2	Lrp2	29216	1,77	up
5677981	7239931	1473748	low density lipoprotein-related protein 2	Lrp2	29216	1,04	down
5705993	7239931	1473721	low density lipoprotein-related protein 2	Lrp2	29216	1,04	up
5706840	7239931	1473731	low density lipoprotein-related protein 2	Lrp2	29216	1,06	up
5707193	7239931	1473756	low density lipoprotein-related protein 2	Lrp2	29216	1,05	down
5738936	7239931	1473714	low density lipoprotein-related protein 2	Lrp2	29216	1,61	down
5739892	7239931	1473765	low density lipoprotein-related protein 2	Lrp2	29216	1,04	up
5761340	7239931	1473723	low density lipoprotein-related protein 2	Lrp2	29216	2,04	down
5815572	7239931	1473764	low density lipoprotein-related protein 2	Lrp2	29216	1,43	down
5822630	7239931	1473771	low density lipoprotein-related protein 2	Lrp2	29216	1,27	up
5826884	7239931	1473699	low density lipoprotein-related protein 2	Lrp2	29216	1,18	down
5844747	7239931	1473740	low density lipoprotein-related protein 2	Lrp2	29216	1,07	up
5854092	7239931	1473713	low density lipoprotein-related protein 2	Lrp2	29216	1,06	up
5875923	7239931	1473711	low density lipoprotein-related protein 2	Lrp2	29216	1,11	up
5883842	7239931	1473694	low density lipoprotein-related protein 2	Lrp2	29216	1,00	down
5908073	7239931	1473739	low density lipoprotein-related protein 2	Lrp2	29216	1,52	down
5917690	7239931	1473749	low density lipoprotein-related protein 2	Lrp2	29216	1,65	down
5923323	7239931	1473746	low density lipoprotein-related protein 2	Lrp2	29216	1,05	down
5927500	7239931	1473718	low density lipoprotein-related protein 2	Lrp2	29216	1,38	up
5947094	7239931	1473772	low density lipoprotein-related protein 2	Lrp2	29216	1,09	down
5962931	7239931	1473754	low density lipoprotein-related protein 2	Lrp2	29216	1,10	up
5965362	7239931	1473735	low density lipoprotein-related protein 2	Lrp2	29216	1,02	up
5981549	7239931	1473744	low density lipoprotein-related protein 2	Lrp2	29216	1,75	up
5987852	7239931	1473747	low density lipoprotein-related protein 2	Lrp2	29216	1,67	down
5991727	7239931	1473743	low density lipoprotein-related protein 2	Lrp2	29216	1,09	up
6009678	7239931	1473706	low density lipoprotein-related protein 2	Lrp2	29216	1,14	down
6013783	7239931	1473712	low density lipoprotein-related protein 2	Lrp2	29216	1,26	down
6015510	7239931	1473710	low density lipoprotein-related protein 2	Lrp2	29216	1,02	down

6041450	7239931	1473757	low density lipoprotein-related protein 2	Lrp2	29216	1,72	down
6043260	7239931	1473725	low density lipoprotein-related protein 2	Lrp2	29216	1,04	up
6053355	7239931	1473745	low density lipoprotein-related protein 2	Lrp2	29216	1,33	down
6091770	7239931	1473705	low density lipoprotein-related protein 2	Lrp2	29216	1,77	up
6101700	7239931	1473761	low density lipoprotein-related protein 2	Lrp2	29216	1,28	up
6121187	7239931	1473769	low density lipoprotein-related protein 2	Lrp2	29216	1,08	up
6140718	7239931	1473726	low density lipoprotein-related protein 2	Lrp2	29216	1,10	up
6176005	7239931	1473759	low density lipoprotein-related protein 2	Lrp2	29216	1,02	up
6233367	7239931	1473767	low density lipoprotein-related protein 2	Lrp2	29216	1,26	up
6239732	7239931	1473695	low density lipoprotein-related protein 2	Lrp2	29216	1,10	down
6240511	7239931	1473744	low density lipoprotein-related protein 2	Lrp2	29216	1,06	up
6243501	7239931	1473697	low density lipoprotein-related protein 2	Lrp2	29216	1,02	down
6253679	7239931	1473752	low density lipoprotein-related protein 2	Lrp2	29216	1,54	up
6254289	7239931	1473730	low density lipoprotein-related protein 2	Lrp2	29216	1,57	down
6262945	7239931	1473728	low density lipoprotein-related protein 2	Lrp2	29216	1,01	down
6263796	7239931	1473760	low density lipoprotein-related protein 2	Lrp2	29216	1,06	down
6270960	7239931	1473696	low density lipoprotein-related protein 2	Lrp2	29216	1,26	down
6274446	7239931	1473702	low density lipoprotein-related protein 2	Lrp2	29216	1,06	up
6275500	7239931	1473733	low density lipoprotein-related protein 2	Lrp2	29216	1,16	down
6279169	7239931	1473735	low density lipoprotein-related protein 2	Lrp2	29216	1,39	up
6289005	7239931	1473762	low density lipoprotein-related protein 2	Lrp2	29216	1,15	up
6294882	7239931	1473702	low density lipoprotein-related protein 2	Lrp2	29216	1,37	down
6319157	7239931	1473753	low density lipoprotein-related protein 2	Lrp2	29216	1,84	up
6329334	7239931	1473729	low density lipoprotein-related protein 2	Lrp2	29216	1,06	down
6332045	7239931	1473743	low density lipoprotein-related protein 2	Lrp2	29216	1,04	up
6367592	7239931	1473758	low density lipoprotein-related protein 2	Lrp2	29216	1,18	down
6368794	7239931	1473700	low density lipoprotein-related protein 2	Lrp2	29216	1,16	up
6374804	7239931	1473755	low density lipoprotein-related protein 2	Lrp2	29216	1,20	down
6378896	7239931	1473720	low density lipoprotein-related protein 2	Lrp2	29216	1,14	up
6381142	7239931	1473715	low density lipoprotein-related protein 2	Lrp2	29216	1,03	down
6407608	7239931	1473773	low density lipoprotein-related protein 2	Lrp2	29216	1,07	up
6412044	7239931	1473737	low density lipoprotein-related protein 2	Lrp2	29216	1,19	down
6413212	7239931	1473745	low density lipoprotein-related protein 2	Lrp2	29216	1,05	down
6415768	7239931	1473719	low density lipoprotein-related protein 2	Lrp2	29216	1,17	up
6433356	7239931	1473768	low density lipoprotein-related protein 2	Lrp2	29216	1,04	up
6434308	7239931	1473763	low density lipoprotein-related protein 2	Lrp2	29216	1,14	up
6527446	7239931	1473745	low density lipoprotein-related protein 2	Lrp2	29216	1,78	down
6541243	7239931	1473725	low density lipoprotein-related protein 2	Lrp2	29216	1,53	up
6545473	7239931	1473751	low density lipoprotein-related protein 2	Lrp2	29216	1,64	down
6596213	7239931	1473707	low density lipoprotein-related protein 2	Lrp2	29216	1,32	up
6597835	7239931	1473717	low density lipoprotein-related protein 2	Lrp2	29216	1,11	down
6606469	7239931	1473726	low density lipoprotein-related protein 2	Lrp2	29216	1,47	down
6607847	7239931	1473703	low density lipoprotein-related protein 2	Lrp2	29216	1,00	up
6611172	7239931	1473732	low density lipoprotein-related protein 2	Lrp2	29216	1,33	up
6621177	7239931	1473766	low density lipoprotein-related protein 2	Lrp2	29216	1,52	up
6653675	7239931	1473750	low density lipoprotein-related protein 2	Lrp2	29216	1,11	up
6656337	7239931	1473738	low density lipoprotein-related protein 2	Lrp2	29216	2,04	down
6679710	7239931	1473736	low density lipoprotein-related protein 2	Lrp2	29216	1,43	down
6682681	7239931	1473698	low density lipoprotein-related protein 2	Lrp2	29216	1,36	up
6700189	7239931	1473770	low density lipoprotein-related protein 2	Lrp2	29216	1,01	down
6702883	7239931	1473709	low density lipoprotein-related protein 2	Lrp2	29216	1,29	up
6704658	7239931	1473704	low density lipoprotein-related protein 2	Lrp2	29216	1,13	up
6717046	7239931	1473708	low density lipoprotein-related protein 2	Lrp2	29216	1,15	up
6720727	7239931	1473773	low density lipoprotein-related protein 2	Lrp2	29216	1,29	up
5650240	7152726	1257083	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Lsm1	364624	1,12	up
5730903	7152726	1257084	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Lsm1	364624	1,43	down

6079717	7152726	1257081	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Lsm1	364624	1,29	up
6087219	7152726	1257082	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Lsm1	364624	1,21	up
6093112	7152726	1257084	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Lsm1	364624	1,72	up
6107350	7152726	1257081	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Lsm1	364624	1,69	up
6331965	7152726	1257084	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Lsm1	364624	2,03	down
5637818	7050065	1009554	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,09	up
5721021	7050065	1009557	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,36	down
5732487	7050065	1009558	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,18	up
5745273	7050065	1009553	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,31	up
5760373	7050065	1009561	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,06	up
5787578	7050065	1009558	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,06	down
5889425	7050065	1009565	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,06	up
5931200	7050065	1009557	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,19	up
6221685	7050065	1009549	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,29	down
6265442	7050065	1009559	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,14	up
6526596	7050065	1009555	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,05	up
6577843	7050065	1009556	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,05	down
6633434	7050065	1009553	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,23	up
6728575	7050065	1009555	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	2,61	down
6737004	7050065	1009561	LSM14A, SCD6 homolog A (S. cerevisiae)	Lsm14a	361554	1,07	up
5644958	7361037	1772245	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,65	up
5723708	7361037	1772245	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	2,04	up
5817475	7361037	1772247	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,14	down
6050269	7361037	1772244	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,25	up
6301953	7361037	1772246	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,12	up
6473019	7361037	1772248	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	2,71	down
6694026	7361037	1772248	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	2,71	down
6708226	7361037	1772248	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	3,82	down
5674995	7031504	963947	luteinizing hormone beta	Lhb	25329	1,02	up
5675323	7031504	963945	luteinizing hormone beta	Lhb	25329	1,03	up
5835637	7031504	963943	luteinizing hormone beta	Lhb	25329	2,04	down
5955127	7031504	963941	luteinizing hormone beta	Lhb	25329	1,13	down
6037637	7031504	963940	luteinizing hormone beta	Lhb	25329	1,34	up
6072352	7031504	963946	luteinizing hormone beta	Lhb	25329	1,11	down
6384126	7031504	963942	luteinizing hormone beta	Lhb	25329	1,04	up
6626447	7031504	963948	luteinizing hormone beta	Lhb	25329	1,01	up
6649100	7031504	963948	luteinizing hormone beta	Lhb	25329	1,43	down
6686386	7031504	963949	luteinizing hormone beta	Lhb	25329	1,11	down
6716316	7031504	963944	luteinizing hormone beta	Lhb	25329	1,15	up
5784258	7227313	1440689	LY6/PLAUR domain containing 6	Lypd6	679564	1,18	up
5819750	7227313	1440662	LY6/PLAUR domain containing 6	Lypd6	679564	1,19	down
5882415	7227313	1440684	LY6/PLAUR domain containing 6	Lypd6	679564	1,16	down
6517092	7227313	1440679	LY6/PLAUR domain containing 6	Lypd6	679564	1,10	up
6528480	7227313	1440691	LY6/PLAUR domain containing 6	Lypd6	679564	1,45	up
6700295	7227313	1440689	LY6/PLAUR domain containing 6	Lypd6	679564	1,08	up
5654508	7318105	1667998	lymphocyte antigen 6 complex, locus E	Ly6e	362934	2,96	down
5762941	7318105	1667998	lymphocyte antigen 6 complex, locus E	Ly6e	362934	2,16	down
5802370	7318105	1668000	lymphocyte antigen 6 complex, locus E	Ly6e	362934	1,02	up
5960602	7318105	1668001	lymphocyte antigen 6 complex, locus E	Ly6e	362934	1,45	up
5966915	7318105	1668002	lymphocyte antigen 6 complex, locus E	Ly6e	362934	1,21	up
5984138	7318105	1668002	lymphocyte antigen 6 complex, locus E	Ly6e	362934	1,31	up
6365610	7318105	1667999	lymphocyte antigen 6 complex, locus E	Ly6e	362934	1,49	down
6614054	7318105	1667999	lymphocyte antigen 6 complex, locus E	Ly6e	362934	1,24	down
5652083	7133474	1209895	lymphocyte cytosolic protein 1	Lcp1	306071	1,75	up
5802081	7133474	1209884	lymphocyte cytosolic protein 1	Lcp1	306071	1,31	down
5887999	7133474	1209885	lymphocyte cytosolic protein 1	Lcp1	306071	1,87	down

5902768	7133474	1209883	lymphocyte cytosolic protein 1	Lcp1	306071	1,02	up
5905385	7133474	1209885	lymphocyte cytosolic protein 1	Lcp1	306071	2,17	down
6075979	7133474	1209887	lymphocyte cytosolic protein 1	Lcp1	306071	1,12	up
6112328	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	5,05	down
6185152	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	1,14	up
6206278	7133474	1209889	lymphocyte cytosolic protein 1	Lcp1	306071	1,37	up
6232466	7133474	1209898	lymphocyte cytosolic protein 1	Lcp1	306071	2,38	down
6315499	7133474	1209888	lymphocyte cytosolic protein 1	Lcp1	306071	1,31	up
6351118	7133474	1209893	lymphocyte cytosolic protein 1	Lcp1	306071	1,14	down
6409005	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	1,58	down
6432854	7133474	1209890	lymphocyte cytosolic protein 1	Lcp1	306071	1,53	down
6453663	7133474	1209894	lymphocyte cytosolic protein 1	Lcp1	306071	1,13	up
6469278	7133474	1209892	lymphocyte cytosolic protein 1	Lcp1	306071	1,07	down
6502996	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	1,93	down
6538703	7133474	1209891	lymphocyte cytosolic protein 1	Lcp1	306071	1,08	down
6574507	7133474	1209886	lymphocyte cytosolic protein 1	Lcp1	306071	1,43	up
6576702	7133474	1209897	lymphocyte cytosolic protein 1	Lcp1	306071	1,27	down
6578651	7133474	1209896	lymphocyte cytosolic protein 1	Lcp1	306071	1,51	up
6610099	7133474	1209898	lymphocyte cytosolic protein 1	Lcp1	306071	1,25	down
5621228	7066185	1046521	lymphocyte cytosolic protein 2	Lcp2	155918	2,26	down
5725168	7066185	1046528	lymphocyte cytosolic protein 2	Lcp2	155918	1,32	down
5767074	7066185	1046516	lymphocyte cytosolic protein 2	Lcp2	155918	1,13	up
5780965	7066185	1046527	lymphocyte cytosolic protein 2	Lcp2	155918	1,31	down
5801380	7066185	1046524	lymphocyte cytosolic protein 2	Lcp2	155918	1,04	down
5839280	7066185	1046526	lymphocyte cytosolic protein 2	Lcp2	155918	1,03	up
5847042	7066185	1046530	lymphocyte cytosolic protein 2	Lcp2	155918	1,24	down
5852754	7066185	1046529	lymphocyte cytosolic protein 2	Lcp2	155918	1,03	up
5930099	7066185	1046523	lymphocyte cytosolic protein 2	Lcp2	155918	1,07	down
6162743	7066185	1046531	lymphocyte cytosolic protein 2	Lcp2	155918	1,04	up
6187993	7066185	1046522	lymphocyte cytosolic protein 2	Lcp2	155918	1,52	down
6299575	7066185	1046525	lymphocyte cytosolic protein 2	Lcp2	155918	1,60	down
6445757	7066185	1046517	lymphocyte cytosolic protein 2	Lcp2	155918	1,07	up
6450781	7066185	1046518	lymphocyte cytosolic protein 2	Lcp2	155918	1,18	up
6515576	7066185	1046520	lymphocyte cytosolic protein 2	Lcp2	155918	1,29	up
6680781	7066185	1046515	lymphocyte cytosolic protein 2	Lcp2	155918	1,11	up
6695862	7066185	1046519	lymphocyte cytosolic protein 2	Lcp2	155918	1,21	down
6733468	7066185	1046514	lymphocyte cytosolic protein 2	Lcp2	155918	1,43	up
5627460	7269583	1546128	lymphocyte-activation gene 3	Lag3	297596	1,53	down
5687888	7269583	1546131	lymphocyte-activation gene 3	Lag3	297596	1,05	down
5731080	7269583	1546125	lymphocyte-activation gene 3	Lag3	297596	1,25	up
5846743	7269583	1546130	lymphocyte-activation gene 3	Lag3	297596	2,60	down
5908898	7269583	1546126	lymphocyte-activation gene 3	Lag3	297596	1,04	down
5992665	7269583	1546129	lymphocyte-activation gene 3	Lag3	297596	1,08	up
6138487	7269583	1546128	lymphocyte-activation gene 3	Lag3	297596	1,27	down
6142236	7269583	1546126	lymphocyte-activation gene 3	Lag3	297596	1,51	up
6154556	7269583	1546129	lymphocyte-activation gene 3	Lag3	297596	1,09	up
6159061	7269583	1546132	lymphocyte-activation gene 3	Lag3	297596	1,03	up
6214499	7269583	1546124	lymphocyte-activation gene 3	Lag3	297596	2,04	down
6251805	7269583	1546131	lymphocyte-activation gene 3	Lag3	297596	1,20	up
6351113	7269583	1546124	lymphocyte-activation gene 3	Lag3	297596	1,33	up
6433160	7269583	1546127	lymphocyte-activation gene 3	Lag3	297596	1,80	up
5665798	7038610	982083	lymphocyte-specific protein 1	Lsp1	361680	1,01	up
5677836	7038610	982087	lymphocyte-specific protein 1	Lsp1	361680	1,02	down
5682815	7038610	982092	lymphocyte-specific protein 1	Lsp1	361680	1,10	up
5731104	7038610	982082	lymphocyte-specific protein 1	Lsp1	361680	1,06	up
5968300	7038610	982082	lymphocyte-specific protein 1	Lsp1	361680	1,02	up

5983889	7038610	982081	lymphocyte-specific protein 1	Lsp1	361680	1,01	up
6024457	7038610	982085	lymphocyte-specific protein 1	Lsp1	361680	1,17	up
6247052	7038610	982071	lymphocyte-specific protein 1	Lsp1	361680	1,22	down
6447326	7038610	982086	lymphocyte-specific protein 1	Lsp1	361680	1,24	up
6609083	7038610	982088	lymphocyte-specific protein 1	Lsp1	361680	1,65	down
6631138	7038610	982089	lymphocyte-specific protein 1	Lsp1	361680	1,34	down
6635669	7038610	982071	lymphocyte-specific protein 1	Lsp1	361680	1,35	up
6648474	7038610	982084	lymphocyte-specific protein 1	Lsp1	361680	1,45	up
5620873	7220595	1424382	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	1,19	down
5793016	7220595	1424381	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	1,10	down
5974639	7220595	1424382	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	4,10	down
6104205	7220595	1424379	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	7,68	up
6192648	7220595	1424380	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	2,79	up
6398560	7220595	1424382	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	3,23	down
6596502	7220595	1424381	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	2,17	up
5713025	7338101	1715195	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,17	up
5887965	7338101	1715196	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,16	down
6702080	7338101	1715192	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,13	down
6734805	7338101	1715196	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,55	up
5801631	7183182	1333552	lysophosphatidylcholine acyltransferase 2	Lpcat2	307713	2,11	up
5719286	7302020	1627007	lysophospholipase	LOC246266	246266	1,65	down
5725283	7302020	1627004	lysophospholipase	LOC246266	246266	1,19	up
5841907	7302020	1627005	lysophospholipase	LOC246266	246266	1,01	down
5888845	7302020	1627008	lysophospholipase	LOC246266	246266	1,17	down
5902989	7302020	1626998	lysophospholipase	LOC246266	246266	1,05	down
5965745	7302020	1627003	lysophospholipase	LOC246266	246266	2,11	up
6052111	7302020	1627012	lysophospholipase	LOC246266	246266	1,14	down
6062694	7302020	1627001	lysophospholipase	LOC246266	246266	1,11	down
6074920	7302020	1627011	lysophospholipase	LOC246266	246266	2,38	up
6084801	7302020	1627010	lysophospholipase	LOC246266	246266	1,39	down
6237136	7302020	1627002	lysophospholipase	LOC246266	246266	1,11	down
6292967	7302020	1627009	lysophospholipase	LOC246266	246266	1,08	down
6323672	7302020	1627013	lysophospholipase	LOC246266	246266	1,09	down
6419310	7302020	1626999	lysophospholipase	LOC246266	246266	1,09	up
6505541	7302020	1626998	lysophospholipase	LOC246266	246266	1,33	down
6621492	7302020	1627006	lysophospholipase	LOC246266	246266	1,05	up
6711793	7302020	1627000	lysophospholipase	LOC246266	246266	1,42	down
5652535	7283161	1580637	lysophospholipase 1	Lypla1	25514	4,87	up
5685521	7283161	1580636	lysophospholipase 1	Lypla1	25514	1,14	down
5715875	7283161	1580634	lysophospholipase 1	Lypla1	25514	1,19	up
5776072	7283161	1580635	lysophospholipase 1	Lypla1	25514	1,02	down
5862860	7283161	1580643	lysophospholipase 1	Lypla1	25514	1,13	down
5882469	7283161	1580643	lysophospholipase 1	Lypla1	25514	1,09	down
5997471	7283161	1580640	lysophospholipase 1	Lypla1	25514	1,05	down
5998638	7283161	1580638	lysophospholipase 1	Lypla1	25514	1,23	up
6165568	7283161	1580634	lysophospholipase 1	Lypla1	25514	1,08	up
6184800	7283161	1580642	lysophospholipase 1	Lypla1	25514	1,02	up
6604407	7283161	1580634	lysophospholipase 1	Lypla1	25514	1,28	down
6640558	7283161	1580641	lysophospholipase 1	Lypla1	25514	2,23	up
6720135	7283161	1580639	lysophospholipase 1	Lypla1	25514	1,17	down
5668251	7096886	1119489	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad1l1	680006	1,06	down
5752880	7096886	1119468	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad1l1	680006	2,08	down
5806426	7096886	1119404	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad1l1	680006	1,01	down
5858471	7096886	1119455	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad1l1	680006	1,04	down
5898669	7096886	1119445	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad1l1	680006	1,28	down
5958089	7096886	1119402	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad1l1	680006	1,35	up

5975329	7096886	1119408	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,11	down
6031223	7096886	1119406	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,18	down
6031320	7096886	1119415	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,88	down
6139801	7096886	1119405	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,22	down
6177214	7096886	1119409	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,32	up
6236011	7096886	1119437	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,06	up
6295621	7096886	1119401	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,22	down
6326962	7096886	1119449	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,23	down
6329280	7096886	1119463	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,05	up
6409247	7096886	1119402	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,07	up
6519328	7096886	1119423	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,05	up
6577899	7096886	1119489	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,13	up
6596080	7096886	1119399	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,29	up
6737664	7096886	1119407	MAD1 mitotic arrest deficient-like 1 (yeast)	Mad111	680006	1,29	up
5712877	7281451	1576379	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,13	down
5724318	7281451	1576374	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,13	up
5851897	7281451	1576378	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,56	up
6009337	7281451	1576373	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,04	down
6140466	7281451	1576377	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,24	up
6383971	7281451	1576378	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,40	up
6423759	7281451	1576379	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	2,04	down
6439584	7281451	1576371	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,75	down
6455026	7281451	1576379	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,39	down
6515469	7281451	1576372	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,10	up
6555818	7281451	1576375	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,24	down
6744059	7281451	1576376	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad212	313702	1,46	up
5822994	7138255	1221708	magnesium-dependent phosphatase 1	Mdp-1	290230	1,15	up
5904631	7138255	1221710	magnesium-dependent phosphatase 1	Mdp-1	290230	1,07	up
6033614	7138255	1221710	magnesium-dependent phosphatase 1	Mdp-1	290230	1,29	down
6047010	7138255	1221710	magnesium-dependent phosphatase 1	Mdp-1	290230	1,13	up
6275129	7138255	1221707	magnesium-dependent phosphatase 1	Mdp-1	290230	1,35	up
6329583	7138255	1221709	magnesium-dependent phosphatase 1	Mdp-1	290230	1,06	down
5784307	7115907	1166944	major facilitator superfamily domain containing 7	Mfsd7	305625	1,61	down
5822256	7115907	1166941	major facilitator superfamily domain containing 7	Mfsd7	305625	1,03	up
5855944	7115907	1166953	major facilitator superfamily domain containing 7	Mfsd7	305625	1,03	up
5921355	7115907	1166953	major facilitator superfamily domain containing 7	Mfsd7	305625	1,14	up
5928401	7115907	1166945	major facilitator superfamily domain containing 7	Mfsd7	305625	1,09	up
5962206	7115907	1166941	major facilitator superfamily domain containing 7	Mfsd7	305625	1,19	up
6001193	7115907	1166943	major facilitator superfamily domain containing 7	Mfsd7	305625	1,06	up
6080261	7115907	1166950	major facilitator superfamily domain containing 7	Mfsd7	305625	1,01	up
6207791	7115907	1166952	major facilitator superfamily domain containing 7	Mfsd7	305625	1,05	down
6264089	7115907	1166947	major facilitator superfamily domain containing 7	Mfsd7	305625	2,07	down
6396211	7115907	1166948	major facilitator superfamily domain containing 7	Mfsd7	305625	1,02	up
6508677	7115907	1166941	major facilitator superfamily domain containing 7	Mfsd7	305625	1,09	down
6545130	7115907	1166949	major facilitator superfamily domain containing 7	Mfsd7	305625	1,08	up
6595803	7115907	1166954	major facilitator superfamily domain containing 7	Mfsd7	305625	1,45	down
5714569	7220942	1425094	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	2,25	up
5737701	7220942	1425095	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,11	down
5811293	7220942	1425095	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,60	up
5915079	7220942	1425096	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,26	down
6568267	7220942	1425093	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,11	up
6675680	7220942	1425092	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,48	up
5679354	7112562	1158602	major histocompatibility complex, class I-related	Mr1	25119	1,21	down
5923542	7112562	1158603	major histocompatibility complex, class I-related	Mr1	25119	1,05	up
6056653	7112562	1158602	major histocompatibility complex, class I-related	Mr1	25119	1,48	up
6085635	7112562	1158604	major histocompatibility complex, class I-related	Mr1	25119	1,11	up

6479667	7112562	1158609	major histocompatibility complex, class I-related	Mr1	25119	1,35	down
6659036	7112562	1158607	major histocompatibility complex, class I-related	Mr1	25119	1,36	up
5752499	7311773	1651621	major intrinsic protein of lens fiber	Mip	25480	1,38	up
5756964	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	1,01	down
5786906	7311773	1651619	major intrinsic protein of lens fiber	Mip	25480	1,35	down
5848190	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	1,14	down
5913454	7311773	1651622	major intrinsic protein of lens fiber	Mip	25480	1,06	up
5958561	7311773	1651623	major intrinsic protein of lens fiber	Mip	25480	1,91	up
5992700	7311773	1651615	major intrinsic protein of lens fiber	Mip	25480	1,01	down
6226039	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	2,20	down
6529899	7311773	1651618	major intrinsic protein of lens fiber	Mip	25480	1,35	down
6604759	7311773	1651616	major intrinsic protein of lens fiber	Mip	25480	1,07	up
6625474	7311773	1651619	major intrinsic protein of lens fiber	Mip	25480	2,12	down
6643719	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	1,02	down
5648054	7257576	1516743	makorin, ring finger protein, 2	Mkrn2	297525	1,55	up
5676664	7257576	1516746	makorin, ring finger protein, 2	Mkrn2	297525	1,10	down
5917850	7257576	1516742	makorin, ring finger protein, 2	Mkrn2	297525	1,25	up
6066603	7257576	1516744	makorin, ring finger protein, 2	Mkrn2	297525	1,35	up
6068654	7257576	1516741	makorin, ring finger protein, 2	Mkrn2	297525	1,58	down
6105886	7257576	1516748	makorin, ring finger protein, 2	Mkrn2	297525	1,19	down
6126873	7257576	1516745	makorin, ring finger protein, 2	Mkrn2	297525	1,15	up
6217034	7257576	1516740	makorin, ring finger protein, 2	Mkrn2	297525	1,14	down
6244857	7257576	1516739	makorin, ring finger protein, 2	Mkrn2	297525	2,71	up
6637215	7257576	1516742	makorin, ring finger protein, 2	Mkrn2	297525	1,12	down
6651170	7257576	1516741	makorin, ring finger protein, 2	Mkrn2	297525	1,31	up
6677259	7257576	1516747	makorin, ring finger protein, 2	Mkrn2	297525	1,10	down
6142714	7378878	1818326	malignant T cell amplified sequence 1	Mcts1	302500	1,33	up
6207308	7378878	1818325	malignant T cell amplified sequence 1	Mcts1	302500	1,05	down
6228164	7378878	1818320	malignant T cell amplified sequence 1	Mcts1	302500	1,34	up
6274632	7378878	1818319	malignant T cell amplified sequence 1	Mcts1	302500	1,23	down
6274679	7378878	1818321	malignant T cell amplified sequence 1	Mcts1	302500	1,26	up
6291962	7378878	1818328	malignant T cell amplified sequence 1	Mcts1	302500	1,34	up
6651804	7378878	1818327	malignant T cell amplified sequence 1	Mcts1	302500	1,24	down
6652490	7378878	1818328	malignant T cell amplified sequence 1	Mcts1	302500	1,43	up
6679052	7378878	1818328	malignant T cell amplified sequence 1	Mcts1	302500	1,21	up
5651902	7236840	1465339	MAM domain containing 4	Mamdc4	252882	1,16	up
5671453	7236840	1465347	MAM domain containing 4	Mamdc4	252882	1,37	up
5673504	7236840	1465346	MAM domain containing 4	Mamdc4	252882	1,06	up
5677530	7236840	1465352	MAM domain containing 4	Mamdc4	252882	1,26	up
5712668	7236840	1465362	MAM domain containing 4	Mamdc4	252882	1,02	down
5723305	7236840	1465355	MAM domain containing 4	Mamdc4	252882	1,40	down
5754116	7236840	1465357	MAM domain containing 4	Mamdc4	252882	1,05	down
5770173	7236840	1465345	MAM domain containing 4	Mamdc4	252882	1,13	up
5786848	7236840	1465337	MAM domain containing 4	Mamdc4	252882	1,57	down
5794686	7236840	1465351	MAM domain containing 4	Mamdc4	252882	1,22	down
5831711	7236840	1465363	MAM domain containing 4	Mamdc4	252882	1,12	down
5881075	7236840	1465344	MAM domain containing 4	Mamdc4	252882	1,16	up
5937696	7236840	1465343	MAM domain containing 4	Mamdc4	252882	1,07	up
5989710	7236840	1465349	MAM domain containing 4	Mamdc4	252882	1,13	up
5990880	7236840	1465350	MAM domain containing 4	Mamdc4	252882	1,24	up
6086528	7236840	1465348	MAM domain containing 4	Mamdc4	252882	1,35	down
6320040	7236840	1465359	MAM domain containing 4	Mamdc4	252882	1,08	down
6321900	7236840	1465341	MAM domain containing 4	Mamdc4	252882	1,14	down
6342328	7236840	1465340	MAM domain containing 4	Mamdc4	252882	1,11	down
6344010	7236840	1465360	MAM domain containing 4	Mamdc4	252882	1,32	down
6381602	7236840	1465345	MAM domain containing 4	Mamdc4	252882	2,12	up

6397243	7236840	1465354	MAM domain containing 4	Mamdc4	252882	1,13	up
6422502	7236840	1465336	MAM domain containing 4	Mamdc4	252882	1,04	up
6426375	7236840	1465354	MAM domain containing 4	Mamdc4	252882	1,46	down
6426377	7236840	1465361	MAM domain containing 4	Mamdc4	252882	1,24	down
6435133	7236840	1465356	MAM domain containing 4	Mamdc4	252882	1,09	up
6449016	7236840	1465353	MAM domain containing 4	Mamdc4	252882	1,04	up
6530325	7236840	1465338	MAM domain containing 4	Mamdc4	252882	1,00	up
6600265	7236840	1465358	MAM domain containing 4	Mamdc4	252882	1,23	up
6648122	7236840	1465342	MAM domain containing 4	Mamdc4	252882	1,01	up
6648844	7236840	1465352	MAM domain containing 4	Mamdc4	252882	1,16	up
6704732	7236840	1465336	MAM domain containing 4	Mamdc4	252882	1,07	down
6712446	7236840	1465335	MAM domain containing 4	Mamdc4	252882	1,62	up
5668117	7307276	1640801	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,64	down
5687527	7307276	1640804	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,00	up
5767829	7307276	1640814	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,11	up
5821497	7307276	1640807	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,04	up
5843918	7307276	1640812	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,04	up
5868392	7307276	1640806	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,13	up
5873223	7307276	1640817	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	2,06	down
5979351	7307276	1640803	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,09	up
6017551	7307276	1640813	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,02	up
6044391	7307276	1640811	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,07	up
6116543	7307276	1640817	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,43	up
6190236	7307276	1640802	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,24	down
6214080	7307276	1640817	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,44	up
6258186	7307276	1640810	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,10	up
6293913	7307276	1640805	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,58	down
6314300	7307276	1640808	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,07	up
6461394	7307276	1640816	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,04	down
6502749	7307276	1640806	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,02	down
6516493	7307276	1640809	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,41	up
6619507	7307276	1640815	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,53	down
5646898	7281494	1576593	mannan-binding lectin serine peptidase 2	Masp2	64459	1,01	up
5725457	7281494	1576584	mannan-binding lectin serine peptidase 2	Masp2	64459	2,09	up
5818345	7281494	1576592	mannan-binding lectin serine peptidase 2	Masp2	64459	1,20	up
5916246	7281494	1576587	mannan-binding lectin serine peptidase 2	Masp2	64459	1,09	up
5977871	7281494	1576586	mannan-binding lectin serine peptidase 2	Masp2	64459	1,27	down
6067700	7281494	1576585	mannan-binding lectin serine peptidase 2	Masp2	64459	1,01	down
6144085	7281494	1576583	mannan-binding lectin serine peptidase 2	Masp2	64459	1,05	down
6225170	7281494	1576588	mannan-binding lectin serine peptidase 2	Masp2	64459	1,12	up
6261320	7281494	1576594	mannan-binding lectin serine peptidase 2	Masp2	64459	1,59	down
6396095	7281494	1576595	mannan-binding lectin serine peptidase 2	Masp2	64459	1,09	down
6458443	7281494	1576586	mannan-binding lectin serine peptidase 2	Masp2	64459	1,16	up
6557927	7281494	1576590	mannan-binding lectin serine peptidase 2	Masp2	64459	1,41	down
6558398	7281494	1576595	mannan-binding lectin serine peptidase 2	Masp2	64459	1,17	down
6605413	7281494	1576584	mannan-binding lectin serine peptidase 2	Masp2	64459	1,58	up
5625132	7072754	1062640	mannose receptor, C type 2	Mrc2	498011	1,07	up
5659422	7072754	1062669	mannose receptor, C type 2	Mrc2	498011	1,11	up
5684927	7072754	1062670	mannose receptor, C type 2	Mrc2	498011	1,09	up
5768776	7072754	1062669	mannose receptor, C type 2	Mrc2	498011	1,14	up
5833527	7072754	1062659	mannose receptor, C type 2	Mrc2	498011	1,03	down
5848735	7072754	1062664	mannose receptor, C type 2	Mrc2	498011	1,53	up
5894096	7072754	1062649	mannose receptor, C type 2	Mrc2	498011	1,09	down
6000452	7072754	1062643	mannose receptor, C type 2	Mrc2	498011	1,21	up
6008638	7072754	1062633	mannose receptor, C type 2	Mrc2	498011	1,37	up
6028807	7072754	1062645	mannose receptor, C type 2	Mrc2	498011	1,19	up

6055179	7072754	1062666	mannose receptor, C type 2	Mrc2	498011	1,12	down
6110329	7072754	1062673	mannose receptor, C type 2	Mrc2	498011	1,02	down
6175867	7072754	1062641	mannose receptor, C type 2	Mrc2	498011	2,09	down
6250857	7072754	1062667	mannose receptor, C type 2	Mrc2	498011	1,16	up
6251010	7072754	1062657	mannose receptor, C type 2	Mrc2	498011	1,44	up
6256962	7072754	1062665	mannose receptor, C type 2	Mrc2	498011	1,11	up
6268393	7072754	1062668	mannose receptor, C type 2	Mrc2	498011	1,13	down
6333568	7072754	1062656	mannose receptor, C type 2	Mrc2	498011	1,41	up
6351334	7072754	1062654	mannose receptor, C type 2	Mrc2	498011	1,01	up
6382210	7072754	1062673	mannose receptor, C type 2	Mrc2	498011	1,13	up
6384769	7072754	1062663	mannose receptor, C type 2	Mrc2	498011	1,17	up
6409405	7072754	1062647	mannose receptor, C type 2	Mrc2	498011	1,03	down
6442881	7072754	1062644	mannose receptor, C type 2	Mrc2	498011	1,02	up
6492585	7072754	1062646	mannose receptor, C type 2	Mrc2	498011	1,10	down
6521248	7072754	1062663	mannose receptor, C type 2	Mrc2	498011	1,16	down
6571064	7072754	1062661	mannose receptor, C type 2	Mrc2	498011	1,13	down
6596954	7072754	1062662	mannose receptor, C type 2	Mrc2	498011	2,06	up
6609728	7072754	1062671	mannose receptor, C type 2	Mrc2	498011	1,02	down
6686682	7072754	1062666	mannose receptor, C type 2	Mrc2	498011	1,02	down
6712779	7072754	1062648	mannose receptor, C type 2	Mrc2	498011	1,03	up
6715681	7072754	1062660	mannose receptor, C type 2	Mrc2	498011	1,03	up
6023894	7367990	1789223	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,25	down
6058891	7367990	1789220	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,36	down
6078960	7367990	1789217	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,35	up
6522616	7367990	1789219	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,10	down
6641959	7367990	1789227	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,26	up
5886542	7298913	1618794	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	Mgat2	94273	2,23	up
5937491	7298913	1618796	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	Mgat2	94273	1,55	down
6339657	7298913	1618794	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	Mgat2	94273	1,57	up
6535654	7298913	1618795	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	Mgat2	94273	1,15	down
6542491	7298913	1618794	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	Mgat2	94273	1,12	up
5627288	7291032	1599333	MAP7 domain containing 1	Map7d1	681287	1,07	down
5645949	7291032	1599330	MAP7 domain containing 1	Map7d1	681287	1,34	down
5691978	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,05	up
5721856	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,03	up
5741742	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	1,31	up
5825995	7291032	1599347	MAP7 domain containing 1	Map7d1	681287	1,05	up
5840112	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,20	down
5913750	7291032	1599342	MAP7 domain containing 1	Map7d1	681287	1,13	up
5953769	7291032	1599333	MAP7 domain containing 1	Map7d1	681287	1,09	up
6014186	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	1,42	up
6033294	7291032	1599341	MAP7 domain containing 1	Map7d1	681287	1,10	down
6099112	7291032	1599340	MAP7 domain containing 1	Map7d1	681287	2,64	down
6117812	7291032	1599345	MAP7 domain containing 1	Map7d1	681287	1,04	up
6173305	7291032	1599339	MAP7 domain containing 1	Map7d1	681287	1,45	down
6243741	7291032	1599339	MAP7 domain containing 1	Map7d1	681287	1,03	up
6341219	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	1,25	up
6342458	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	1,34	down
6379159	7291032	1599346	MAP7 domain containing 1	Map7d1	681287	1,43	up
6489881	7291032	1599336	MAP7 domain containing 1	Map7d1	681287	1,02	up
6511484	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,21	down
6540106	7291032	1599334	MAP7 domain containing 1	Map7d1	681287	1,02	down
6616044	7291032	1599340	MAP7 domain containing 1	Map7d1	681287	1,01	up
6623784	7291032	1599335	MAP7 domain containing 1	Map7d1	681287	1,67	down
6678332	7291032	1599343	MAP7 domain containing 1	Map7d1	681287	2,02	up
6708579	7291032	1599346	MAP7 domain containing 1	Map7d1	681287	1,17	up

6745202	7291032	1599344	MAP7 domain containing 1	Map7d1	681287	1,40	down
6068829	7332970	1702515	mastermind like 2 (Drosophila)	Maml2	689844	1,25	up
6626398	7332970	1702514	mastermind like 2 (Drosophila)	Maml2	689844	1,31	down
5679590	7316054	1662295	matrilin 2	Matn2	299996	1,08	up
5766573	7316054	1662283	matrilin 2	Matn2	299996	1,49	down
5970062	7316054	1662289	matrilin 2	Matn2	299996	1,08	up
5985316	7316054	1662302	matrilin 2	Matn2	299996	1,80	down
5997659	7316054	1662293	matrilin 2	Matn2	299996	1,06	down
6066756	7316054	1662297	matrilin 2	Matn2	299996	1,19	down
6272973	7316054	1662298	matrilin 2	Matn2	299996	1,72	down
6347833	7316054	1662262	matrilin 2	Matn2	299996	2,59	up
6398650	7316054	1662300	matrilin 2	Matn2	299996	1,39	up
6460929	7316054	1662286	matrilin 2	Matn2	299996	1,01	up
6463940	7316054	1662299	matrilin 2	Matn2	299996	1,09	down
6484059	7316054	1662301	matrilin 2	Matn2	299996	1,47	up
6619103	7316054	1662284	matrilin 2	Matn2	299996	1,09	down
6651210	7316054	1662288	matrilin 2	Matn2	299996	1,18	up
6651362	7316054	1662282	matrilin 2	Matn2	299996	1,04	down
6661784	7316054	1662301	matrilin 2	Matn2	299996	1,26	down
6738318	7316054	1662271	matrilin 2	Matn2	299996	1,41	down
5657037	7247749	1491867	matrilin 4	Matn4	296358	1,23	up
5752431	7247749	1491879	matrilin 4	Matn4	296358	2,09	down
5937887	7247749	1491874	matrilin 4	Matn4	296358	1,09	up
5979776	7247749	1491876	matrilin 4	Matn4	296358	1,11	up
6108142	7247749	1491871	matrilin 4	Matn4	296358	2,13	down
6248792	7247749	1491878	matrilin 4	Matn4	296358	1,63	up
6254059	7247749	1491877	matrilin 4	Matn4	296358	1,26	down
6295506	7247749	1491870	matrilin 4	Matn4	296358	1,08	down
6304198	7247749	1491868	matrilin 4	Matn4	296358	1,13	down
6649133	7247749	1491873	matrilin 4	Matn4	296358	1,02	up
6685642	7247749	1491872	matrilin 4	Matn4	296358	1,01	up
5645504	7182694	1332472	matrix metallopeptidase 15	Mmp15	291848	1,06	up
5767965	7182694	1332478	matrix metallopeptidase 15	Mmp15	291848	1,63	up
5798755	7182694	1332480	matrix metallopeptidase 15	Mmp15	291848	1,63	down
5935975	7182694	1332473	matrix metallopeptidase 15	Mmp15	291848	1,47	up
6031851	7182694	1332474	matrix metallopeptidase 15	Mmp15	291848	1,46	up
6089771	7182694	1332484	matrix metallopeptidase 15	Mmp15	291848	1,19	up
6118667	7182694	1332481	matrix metallopeptidase 15	Mmp15	291848	1,26	down
6281770	7182694	1332479	matrix metallopeptidase 15	Mmp15	291848	2,23	down
6300833	7182694	1332484	matrix metallopeptidase 15	Mmp15	291848	1,34	up
6416864	7182694	1332484	matrix metallopeptidase 15	Mmp15	291848	1,36	up
6434230	7182694	1332477	matrix metallopeptidase 15	Mmp15	291848	1,32	down
6455904	7182694	1332477	matrix metallopeptidase 15	Mmp15	291848	1,12	up
6488288	7182694	1332476	matrix metallopeptidase 15	Mmp15	291848	1,01	down
6531995	7182694	1332476	matrix metallopeptidase 15	Mmp15	291848	1,16	up
6540910	7182694	1332475	matrix metallopeptidase 15	Mmp15	291848	1,60	down
6714410	7182694	1332484	matrix metallopeptidase 15	Mmp15	291848	2,00	up
6746352	7182694	1332471	matrix metallopeptidase 15	Mmp15	291848	1,33	down
5624656	7273057	1555530	matrix metallopeptidase 16	Mmp16	65205	1,47	down
5750191	7273057	1555537	matrix metallopeptidase 16	Mmp16	65205	1,23	up
5817429	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,03	down
5818668	7273057	1555529	matrix metallopeptidase 16	Mmp16	65205	1,02	down
5841192	7273057	1555535	matrix metallopeptidase 16	Mmp16	65205	1,14	up
6023750	7273057	1555529	matrix metallopeptidase 16	Mmp16	65205	1,23	down
6059443	7273057	1555536	matrix metallopeptidase 16	Mmp16	65205	1,01	down
6130287	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,00	up

6176017	7273057	1555531	matrix metallopeptidase 16	Mmp16	65205	1,13	up
6210728	7273057	1555532	matrix metallopeptidase 16	Mmp16	65205	2,03	down
6342847	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,24	up
6417101	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,31	down
6435561	7273057	1555534	matrix metallopeptidase 16	Mmp16	65205	1,07	up
6472672	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,97	down
6593983	7273057	1555537	matrix metallopeptidase 16	Mmp16	65205	1,07	up
6599435	7273057	1555533	matrix metallopeptidase 16	Mmp16	65205	1,41	up
6690916	7273057	1555537	matrix metallopeptidase 16	Mmp16	65205	1,34	down
5669362	7075082	1068527	matrix metalloproteinase 25	Mmp25	302963	1,47	up
5675467	7075082	1068519	matrix metalloproteinase 25	Mmp25	302963	1,11	up
5977393	7075082	1068530	matrix metalloproteinase 25	Mmp25	302963	1,04	up
6064821	7075082	1068530	matrix metalloproteinase 25	Mmp25	302963	1,62	down
6097396	7075082	1068524	matrix metalloproteinase 25	Mmp25	302963	2,09	up
6109006	7075082	1068521	matrix metalloproteinase 25	Mmp25	302963	1,12	up
6116648	7075082	1068520	matrix metalloproteinase 25	Mmp25	302963	1,27	down
6215526	7075082	1068529	matrix metalloproteinase 25	Mmp25	302963	1,00	down
6354721	7075082	1068530	matrix metalloproteinase 25	Mmp25	302963	1,29	down
6555074	7075082	1068522	matrix metalloproteinase 25	Mmp25	302963	1,45	down
6619282	7075082	1068528	matrix metalloproteinase 25	Mmp25	302963	1,21	up
5738248	7069613	1055093	max binding protein	Mnt	287521	1,15	up
5747590	7069613	1055096	max binding protein	Mnt	287521	1,18	down
5808646	7069613	1055099	max binding protein	Mnt	287521	1,10	down
5870529	7069613	1055098	max binding protein	Mnt	287521	1,06	up
5873057	7069613	1055092	max binding protein	Mnt	287521	1,61	down
5982899	7069613	1055095	max binding protein	Mnt	287521	1,18	up
6012546	7069613	1055100	max binding protein	Mnt	287521	1,03	up
6066645	7069613	1055099	max binding protein	Mnt	287521	1,65	up
6265802	7069613	1055093	max binding protein	Mnt	287521	2,12	up
6295882	7069613	1055093	max binding protein	Mnt	287521	1,08	down
6346771	7069613	1055091	max binding protein	Mnt	287521	1,03	down
6446629	7069613	1055094	max binding protein	Mnt	287521	2,02	up
6462221	7069613	1055098	max binding protein	Mnt	287521	1,04	down
6568539	7069613	1055093	max binding protein	Mnt	287521	1,21	down
6707637	7069613	1055092	max binding protein	Mnt	287521	1,22	down
5821916	7266838	1538998	max dimerization protein 1	Mxd1	362391	1,20	up
6018918	7266838	1538994	max dimerization protein 1	Mxd1	362391	1,56	up
6064271	7266838	1538996	max dimerization protein 1	Mxd1	362391	1,09	down
6280587	7266838	1539000	max dimerization protein 1	Mxd1	362391	1,28	up
6372983	7266838	1539000	max dimerization protein 1	Mxd1	362391	1,47	down
6401878	7266838	1538996	max dimerization protein 1	Mxd1	362391	1,09	up
6436049	7266838	1538994	max dimerization protein 1	Mxd1	362391	1,12	up
6438778	7266838	1538995	max dimerization protein 1	Mxd1	362391	1,23	up
6439161	7266838	1538994	max dimerization protein 1	Mxd1	362391	1,21	down
6565282	7266838	1539001	max dimerization protein 1	Mxd1	362391	1,21	down
5659047	7231650	1451860	MAX gene associated	Mga	499874	1,26	up
5665852	7231650	1451833	MAX gene associated	Mga	499874	1,09	up
5775946	7231650	1451837	MAX gene associated	Mga	499874	1,10	up
5811232	7231650	1451859	MAX gene associated	Mga	499874	1,28	down
5839567	7231650	1451840	MAX gene associated	Mga	499874	1,03	down
5897737	7231650	1451851	MAX gene associated	Mga	499874	1,02	up
5990823	7231650	1451852	MAX gene associated	Mga	499874	1,15	down
5997397	7231650	1451839	MAX gene associated	Mga	499874	1,03	down
6032687	7231650	1451858	MAX gene associated	Mga	499874	1,04	down
6051472	7231650	1451861	MAX gene associated	Mga	499874	1,01	up
6082103	7231650	1451846	MAX gene associated	Mga	499874	1,32	up

6158769	7231650	1451847	MAX gene associated	Mga	499874	1,25	up
6181694	7231650	1451845	MAX gene associated	Mga	499874	1,19	down
6202290	7231650	1451841	MAX gene associated	Mga	499874	1,14	up
6204513	7231650	1451859	MAX gene associated	Mga	499874	1,01	down
6239626	7231650	1451846	MAX gene associated	Mga	499874	1,17	up
6250325	7231650	1451838	MAX gene associated	Mga	499874	1,02	down
6285471	7231650	1451850	MAX gene associated	Mga	499874	1,00	down
6290066	7231650	1451856	MAX gene associated	Mga	499874	1,07	down
6290887	7231650	1451832	MAX gene associated	Mga	499874	1,03	down
6298248	7231650	1451859	MAX gene associated	Mga	499874	1,01	up
6367821	7231650	1451859	MAX gene associated	Mga	499874	1,20	up
6413890	7231650	1451854	MAX gene associated	Mga	499874	1,11	up
6414361	7231650	1451846	MAX gene associated	Mga	499874	3,47	down
6480768	7231650	1451855	MAX gene associated	Mga	499874	1,04	up
6486142	7231650	1451833	MAX gene associated	Mga	499874	1,16	down
6544741	7231650	1451843	MAX gene associated	Mga	499874	1,28	up
6595032	7231650	1451848	MAX gene associated	Mga	499874	1,02	down
6603900	7231650	1451853	MAX gene associated	Mga	499874	1,01	down
6631169	7231650	1451843	MAX gene associated	Mga	499874	1,11	down
6695447	7231650	1451834	MAX gene associated	Mga	499874	1,08	down
6706221	7231650	1451848	MAX gene associated	Mga	499874	1,20	down
6720616	7231650	1451844	MAX gene associated	Mga	499874	1,63	down
5781661	7043189	993062	MAX interactor 1	Mxi1	25701	1,02	down
5787771	7043189	993064	MAX interactor 1	Mxi1	25701	1,13	up
5882982	7043189	993067	MAX interactor 1	Mxi1	25701	1,15	down
5972249	7043189	993061	MAX interactor 1	Mxi1	25701	2,06	up
6089514	7043189	993066	MAX interactor 1	Mxi1	25701	1,48	up
6349756	7043189	993065	MAX interactor 1	Mxi1	25701	1,21	down
6364926	7043189	993063	MAX interactor 1	Mxi1	25701	1,07	down
6573734	7043189	993067	MAX interactor 1	Mxi1	25701	1,29	down
5921393	7072225	1061403	MAX-like protein X	Mlx	360631	1,39	up
5958294	7072225	1061401	MAX-like protein X	Mlx	360631	1,19	up
6050836	7072225	1061401	MAX-like protein X	Mlx	360631	1,08	up
6150680	7072225	1061401	MAX-like protein X	Mlx	360631	1,07	up
6204334	7072225	1061407	MAX-like protein X	Mlx	360631	1,12	down
6226958	7072225	1061402	MAX-like protein X	Mlx	360631	1,38	down
6249054	7072225	1061401	MAX-like protein X	Mlx	360631	1,20	up
6272173	7072225	1061401	MAX-like protein X	Mlx	360631	1,21	down
6333065	7072225	1061405	MAX-like protein X	Mlx	360631	1,24	down
6374605	7072225	1061406	MAX-like protein X	Mlx	360631	1,11	down
6421553	7072225	1061405	MAX-like protein X	Mlx	360631	1,32	down
6455550	7072225	1061404	MAX-like protein X	Mlx	360631	1,31	down
5619459	7245536	1486606	McKusick-Kaufman syndrome	Mkks	311456	1,00	up
5686577	7245536	1486604	McKusick-Kaufman syndrome	Mkks	311456	2,08	down
5853391	7245536	1486606	McKusick-Kaufman syndrome	Mkks	311456	1,48	up
5880093	7245536	1486605	McKusick-Kaufman syndrome	Mkks	311456	1,67	down
6138382	7245536	1486604	McKusick-Kaufman syndrome	Mkks	311456	1,01	down
6233183	7245536	1486604	McKusick-Kaufman syndrome	Mkks	311456	1,10	down
6238731	7245536	1486607	McKusick-Kaufman syndrome	Mkks	311456	1,00	up
6279494	7245536	1486608	McKusick-Kaufman syndrome	Mkks	311456	1,01	down
6367059	7245536	1486607	McKusick-Kaufman syndrome	Mkks	311456	1,14	down
6455402	7245536	1486609	McKusick-Kaufman syndrome	Mkks	311456	1,54	up
6466282	7245536	1486607	McKusick-Kaufman syndrome	Mkks	311456	1,04	up
6495363	7245536	1486608	McKusick-Kaufman syndrome	Mkks	311456	1,14	down
6500935	7245536	1486610	McKusick-Kaufman syndrome	Mkks	311456	1,51	up
6550821	7245536	1486604	McKusick-Kaufman syndrome	Mkks	311456	1,32	down

6583905	7245536	1486604	McKusick-Kaufman syndrome	Mkks	311456	1,22	up
6643188	7245536	1486609	McKusick-Kaufman syndrome	Mkks	311456	1,31	up
5692726	7325416	1684591	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,05	down
5791899	7325416	1684591	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,09	down
5915045	7325416	1684597	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,06	up
6108596	7325416	1684591	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,13	up
6150437	7325416	1684595	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,44	up
6178586	7325416	1684593	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,09	up
6218132	7325416	1684604	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,08	up
6242309	7325416	1684596	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,26	down
6330283	7325416	1684598	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,47	down
6369573	7325416	1684603	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,39	down
6527698	7325416	1684592	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,17	up
6568748	7325416	1684602	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,00	down
6589842	7325416	1684599	Mdm2 p53 binding protein homolog (mouse)	Mdm2	314856	1,28	up
5731950	7373417	1805116	mediator complex subunit 14	Med14	317343	1,15	down
5754586	7373417	1805110	mediator complex subunit 14	Med14	317343	1,05	down
5792781	7373417	1805121	mediator complex subunit 14	Med14	317343	1,06	up
5811086	7373417	1805118	mediator complex subunit 14	Med14	317343	1,11	up
5820474	7373417	1805124	mediator complex subunit 14	Med14	317343	1,41	up
5948391	7373417	1805111	mediator complex subunit 14	Med14	317343	1,10	up
5998601	7373417	1805125	mediator complex subunit 14	Med14	317343	1,13	down
6019841	7373417	1805125	mediator complex subunit 14	Med14	317343	1,24	down
6029553	7373417	1805114	mediator complex subunit 14	Med14	317343	2,05	up
6092473	7373417	1805124	mediator complex subunit 14	Med14	317343	1,03	down
6102767	7373417	1805123	mediator complex subunit 14	Med14	317343	1,08	up
6176880	7373417	1805088	mediator complex subunit 14	Med14	317343	1,44	down
6198362	7373417	1805113	mediator complex subunit 14	Med14	317343	1,10	down
6222444	7373417	1805125	mediator complex subunit 14	Med14	317343	1,59	up
6274748	7373417	1805117	mediator complex subunit 14	Med14	317343	1,18	down
6292156	7373417	1805116	mediator complex subunit 14	Med14	317343	1,22	down
6353089	7373417	1805088	mediator complex subunit 14	Med14	317343	1,27	up
6363826	7373417	1805112	mediator complex subunit 14	Med14	317343	1,17	down
6485041	7373417	1805119	mediator complex subunit 14	Med14	317343	1,15	down
6523276	7373417	1805120	mediator complex subunit 14	Med14	317343	1,01	down
6607491	7373417	1805115	mediator complex subunit 14	Med14	317343	1,05	up
5649488	7342414	1726091	mediator complex subunit 17	Med17	300367	1,61	down
5761611	7342414	1726096	mediator complex subunit 17	Med17	300367	1,29	up
5782056	7342414	1726094	mediator complex subunit 17	Med17	300367	1,14	down
5966370	7342414	1726095	mediator complex subunit 17	Med17	300367	1,07	up
6001957	7342414	1726088	mediator complex subunit 17	Med17	300367	1,22	down
6007453	7342414	1726089	mediator complex subunit 17	Med17	300367	1,76	up
6025038	7342414	1726094	mediator complex subunit 17	Med17	300367	2,60	down
6105296	7342414	1726094	mediator complex subunit 17	Med17	300367	1,42	up
6131349	7342414	1726097	mediator complex subunit 17	Med17	300367	1,32	up
6279662	7342414	1726085	mediator complex subunit 17	Med17	300367	1,05	down
6311059	7342414	1726092	mediator complex subunit 17	Med17	300367	1,00	down
6405196	7342414	1726085	mediator complex subunit 17	Med17	300367	1,29	down
6418863	7342414	1726085	mediator complex subunit 17	Med17	300367	1,13	down
6439107	7342414	1726084	mediator complex subunit 17	Med17	300367	1,40	down
6465404	7342414	1726093	mediator complex subunit 17	Med17	300367	1,13	down
6575776	7342414	1726095	mediator complex subunit 17	Med17	300367	1,02	up
6653031	7342414	1726094	mediator complex subunit 17	Med17	300367	1,02	up
6704478	7342414	1726086	mediator complex subunit 17	Med17	300367	1,10	down
6722368	7342414	1726083	mediator complex subunit 17	Med17	300367	1,24	down
6391781	7278957	1570397	mediator complex subunit 8	Med8	362575	1,15	down

6431450	7278957	1570397	mediator complex subunit 8	Med8	362575	1,28	down
6472524	7278957	1570396	mediator complex subunit 8	Med8	362575	1,23	up
5630894	7322009	1676612	megakaryocyte-associated tyrosine kinase	Matk	60450	1,12	down
5720324	7322009	1676615	megakaryocyte-associated tyrosine kinase	Matk	60450	1,12	up
5944865	7322009	1676622	megakaryocyte-associated tyrosine kinase	Matk	60450	2,34	up
6062521	7322009	1676611	megakaryocyte-associated tyrosine kinase	Matk	60450	1,10	down
6108010	7322009	1676618	megakaryocyte-associated tyrosine kinase	Matk	60450	1,14	up
6269917	7322009	1676619	megakaryocyte-associated tyrosine kinase	Matk	60450	1,15	up
6382177	7322009	1676618	megakaryocyte-associated tyrosine kinase	Matk	60450	1,10	down
6389875	7322009	1676616	megakaryocyte-associated tyrosine kinase	Matk	60450	2,04	down
6468543	7322009	1676613	megakaryocyte-associated tyrosine kinase	Matk	60450	1,01	down
6486630	7322009	1676621	megakaryocyte-associated tyrosine kinase	Matk	60450	1,34	up
6488446	7322009	1676610	megakaryocyte-associated tyrosine kinase	Matk	60450	1,21	down
6493822	7322009	1676614	megakaryocyte-associated tyrosine kinase	Matk	60450	1,53	up
6513752	7322009	1676617	megakaryocyte-associated tyrosine kinase	Matk	60450	1,39	up
6536935	7322009	1676612	megakaryocyte-associated tyrosine kinase	Matk	60450	1,64	down
6691537	7322009	1676620	megakaryocyte-associated tyrosine kinase	Matk	60450	1,12	up
5629428	7330623	1696946	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,05	up
5632095	7330623	1696950	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	1,03	down
5848794	7330623	1696955	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,20	down
5857724	7330623	1696951	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,54	down
5872842	7330623	1696949	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,03	down
5892766	7330623	1696944	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,02	up
5916715	7330623	1696952	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,35	down
6009397	7330623	1696957	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,05	up
6038510	7330623	1696960	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,43	down
6221341	7330623	1696953	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,04	down
6312723	7330623	1696956	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,84	down
6340058	7330623	1696946	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,14	up
6633191	7330623	1696946	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,41	up
6697086	7330623	1696958	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	2,07	down
5740671	7029078	958880	Meis homeobox 3	Meis3	361514	2,15	down
5749769	7029078	958884	Meis homeobox 3	Meis3	361514	1,70	down
5767945	7029078	958872	Meis homeobox 3	Meis3	361514	2,22	up
5939755	7029078	958875	Meis homeobox 3	Meis3	361514	1,31	down
5962574	7029078	958881	Meis homeobox 3	Meis3	361514	1,06	up
6045129	7029078	958883	Meis homeobox 3	Meis3	361514	1,08	down
6127606	7029078	958879	Meis homeobox 3	Meis3	361514	1,42	up
6322770	7029078	958877	Meis homeobox 3	Meis3	361514	1,03	down
6389586	7029078	958875	Meis homeobox 3	Meis3	361514	1,10	up
6402186	7029078	958875	Meis homeobox 3	Meis3	361514	1,05	up
6417268	7029078	958878	Meis homeobox 3	Meis3	361514	1,02	down
6534120	7029078	958876	Meis homeobox 3	Meis3	361514	1,08	up
6662186	7029078	958882	Meis homeobox 3	Meis3	361514	1,34	down
5643493	7243363	1481615	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	2,91	down
5704531	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,66	up
5787533	7243363	1481603	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,43	up
5792471	7243363	1481594	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,42	down
5868010	7243363	1481621	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,23	up
5951238	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,12	down
6056491	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,41	down
6152648	7243363	1481587	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,14	down
6198261	7243363	1481619	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,01	down
6264492	7243363	1481615	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,02	up
6295724	7243363	1481584	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,49	down

6306492	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,31	up
6310451	7243363	1481623	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,02	up
6353800	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,20	up
6466614	7243363	1481624	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,39	down
6481807	7243363	1481620	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,33	up
6553353	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,18	down
6606393	7243363	1481624	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,21	down
6728310	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,39	up
5706482	7322260	1677069	melanoma associated antigen (mutated) 1	Mum1	362838	1,28	up
5801959	7322260	1677067	melanoma associated antigen (mutated) 1	Mum1	362838	1,34	down
5818389	7322260	1677068	melanoma associated antigen (mutated) 1	Mum1	362838	1,18	down
5930832	7322260	1677071	melanoma associated antigen (mutated) 1	Mum1	362838	1,08	up
5945900	7322260	1677067	melanoma associated antigen (mutated) 1	Mum1	362838	1,29	down
5978838	7322260	1677066	melanoma associated antigen (mutated) 1	Mum1	362838	1,10	down
6047552	7322260	1677066	melanoma associated antigen (mutated) 1	Mum1	362838	1,13	down
6068330	7322260	1677065	melanoma associated antigen (mutated) 1	Mum1	362838	1,40	up
6183282	7322260	1677062	melanoma associated antigen (mutated) 1	Mum1	362838	1,01	up
6234210	7322260	1677073	melanoma associated antigen (mutated) 1	Mum1	362838	1,03	up
6355605	7322260	1677070	melanoma associated antigen (mutated) 1	Mum1	362838	1,08	up
6378262	7322260	1677074	melanoma associated antigen (mutated) 1	Mum1	362838	1,15	up
6610317	7322260	1677064	melanoma associated antigen (mutated) 1	Mum1	362838	1,08	up
6676705	7322260	1677062	melanoma associated antigen (mutated) 1	Mum1	362838	1,00	up
6530208	7363568	1778141	melanoregulin	Mreg	501162	1,08	up
5853559	7312575	1653360	membralin	Mbrl	299608	1,20	down
6019793	7312575	1653359	membralin	Mbrl	299608	1,15	up
6064020	7312575	1653359	membralin	Mbrl	299608	1,01	up
6064749	7312575	1653359	membralin	Mbrl	299608	1,19	up
6088829	7312575	1653356	membralin	Mbrl	299608	1,22	down
6261964	7312575	1653354	membralin	Mbrl	299608	1,47	down
6343851	7312575	1653359	membralin	Mbrl	299608	1,15	up
6475156	7312575	1653353	membralin	Mbrl	299608	1,27	up
6519359	7312575	1653360	membralin	Mbrl	299608	2,80	down
6535082	7312575	1653358	membralin	Mbrl	299608	1,01	up
6675432	7312575	1653357	membralin	Mbrl	299608	1,04	up
6678663	7312575	1653355	membralin	Mbrl	299608	1,23	down
5630430	7260904	1525015	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,23	up
5656366	7260904	1524997	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,12	down
5692371	7260904	1524999	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,15	up
5795888	7260904	1525000	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,27	down
5809287	7260904	1525016	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,03	down
5825856	7260904	1525010	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,09	down
5866201	7260904	1525001	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,08	up
5873945	7260904	1524994	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,17	up
5889823	7260904	1525006	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,19	down
5908835	7260904	1525003	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,67	up
5959000	7260904	1525018	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,06	up
6002004	7260904	1525018	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,08	down
6053583	7260904	1524995	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,06	up
6097407	7260904	1525000	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,06	up
6131382	7260904	1525017	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,11	down
6169256	7260904	1525010	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,04	down
6183991	7260904	1525002	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,20	down
6248898	7260904	1524995	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,12	up
6284344	7260904	1525009	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,38	down
6395931	7260904	1525013	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	2,07	down
6399886	7260904	1525007	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,43	up

6421441	7260904	1525014	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,16	down
6490786	7260904	1525011	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,41	up
6495505	7260904	1524998	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,04	up
6543099	7260904	1525015	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,30	down
6567511	7260904	1525005	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,36	down
6665299	7260904	1525014	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,75	down
6683545	7260904	1524994	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,24	down
6701153	7260904	1525004	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,08	up
6704093	7260904	1525008	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,08	down
6727489	7260904	1524996	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,72	up
6727574	7260904	1525012	membrane associated guanylate kinase, WW and PDZ domain containing 2	Magi2	113970	1,09	up
5668216	7212308	1404016	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,61	down
5674835	7212308	1404023	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,46	down
5685599	7212308	1404021	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,33	down
5745527	7212308	1404018	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,08	up
5812062	7212308	1404033	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,69	up
5929301	7212308	1404027	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,14	up
5986838	7212308	1404035	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,14	down
6067736	7212308	1404015	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,05	up
6151160	7212308	1404030	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	2,37	down
6165642	7212308	1404032	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,08	up
6170654	7212308	1404015	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,29	up
6272516	7212308	1404031	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,04	up
6279125	7212308	1404024	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,20	up
6294277	7212308	1404034	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,25	up
6367868	7212308	1404017	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,14	down
6410237	7212308	1404034	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,58	up
6418477	7212308	1404026	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,15	up
6424905	7212308	1404019	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	2,61	down
6502643	7212308	1404015	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,45	up
6543030	7212308	1404020	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,08	down
6578232	7212308	1404028	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	2,26	up
6621989	7212308	1404022	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,07	up
6639766	7212308	1404029	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,03	up
6682420	7212308	1404025	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,40	down
6728002	7212308	1404035	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,28	up
5682998	7299622	1620875	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,30	up
5801349	7299622	1620872	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,05	up
5888175	7299622	1620867	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,19	up
5944692	7299622	1620860	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,03	down
5995200	7299622	1620876	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,04	down
6014953	7299622	1620874	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,30	up
6041638	7299622	1620878	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,15	up
6164242	7299622	1620879	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,02	up
6236641	7299622	1620865	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,39	down
6356627	7299622	1620881	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	2,21	down
6374815	7299622	1620868	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,45	down
6393437	7299622	1620869	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,08	up
6409205	7299622	1620873	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	2,25	down
6561716	7299622	1620880	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,45	down
6588820	7299622	1620866	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,28	up
6600682	7299622	1620871	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,41	up
6702157	7299622	1620870	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	Mpp5	314259	1,22	up
5724497	7150348	1251385	membrane-associated ring finger (C3HC4) 1	March1	361135	1,21	down
5854394	7150348	1251382	membrane-associated ring finger (C3HC4) 1	March1	361135	1,44	down
6236003	7150348	1251405	membrane-associated ring finger (C3HC4) 1	March1	361135	1,00	up

6271869	7150348	1251382	membrane-associated ring finger (C3HC4) 1	March1	361135	1,07	up
6511620	7150348	1251398	membrane-associated ring finger (C3HC4) 1	March1	361135	1,88	down
6591212	7150348	1251393	membrane-associated ring finger (C3HC4) 1	March1	361135	1,03	up
5829594	7363576	1778170	membrane-associated ring finger (C3HC4) 4	March4	367295	1,06	down
5960955	7318588	1668914	mercaptopyruvate sulfurtransferase	Mpst	192172	1,08	up
6183923	7318588	1668915	mercaptopyruvate sulfurtransferase	Mpst	192172	1,16	up
6215314	7318588	1668914	mercaptopyruvate sulfurtransferase	Mpst	192172	2,36	down
6424889	7318588	1668916	mercaptopyruvate sulfurtransferase	Mpst	192172	1,20	up
6669347	7318588	1668914	mercaptopyruvate sulfurtransferase	Mpst	192172	1,50	up
5946241	7297481	1615236	mesenchyme homeobox 2	Meox2	29279	1,03	up
6014527	7297481	1615238	mesenchyme homeobox 2	Meox2	29279	1,00	down
6194209	7297481	1615235	mesenchyme homeobox 2	Meox2	29279	1,04	down
6438704	7297481	1615235	mesenchyme homeobox 2	Meox2	29279	2,05	down
6501782	7297481	1615237	mesenchyme homeobox 2	Meox2	29279	1,38	down
6610350	7297481	1615235	mesenchyme homeobox 2	Meox2	29279	1,07	up
6254479	7182917	1332973	metallothionein 1a	Mt1a	24567	1,04	up
6433979	7182917	1332971	metallothionein 1a	Mt1a	24567	1,27	up
6510346	7182917	1332972	metallothionein 1a	Mt1a	24567	1,14	up
6580390	7182917	1332974	metallothionein 1a	Mt1a	24567	5,41	down
6255556	7181016	1327789	metastasis suppressor 1-like	Mtss1l	307845	1,44	up
6498938	7181016	1327794	metastasis suppressor 1-like	Mtss1l	307845	1,60	down
6672829	7181016	1327793	metastasis suppressor 1-like	Mtss1l	307845	1,02	up
5631366	7369706	1794786	meteorin, glial cell differentiation regulator-like	Metrl	316842	1,21	down
5857528	7369706	1794788	meteorin, glial cell differentiation regulator-like	Metrl	316842	1,12	up
6065660	7369706	1794795	meteorin, glial cell differentiation regulator-like	Metrl	316842	1,46	up
6137310	7369706	1794786	meteorin, glial cell differentiation regulator-like	Metrl	316842	1,45	down
6514307	7369706	1794795	meteorin, glial cell differentiation regulator-like	Metrl	316842	1,20	up
6578018	7369706	1794791	meteorin, glial cell differentiation regulator-like	Metrl	316842	2,02	down
6657029	7369706	1794786	meteorin, glial cell differentiation regulator-like	Metrl	316842	1,19	down
5733020	7228656	1444244	methionine aminopeptidase 1D	Map1d	311748	2,35	up
5882865	7228656	1444253	methionine aminopeptidase 1D	Map1d	311748	1,06	down
5952630	7228656	1444254	methionine aminopeptidase 1D	Map1d	311748	1,07	up
6076477	7228656	1444254	methionine aminopeptidase 1D	Map1d	311748	1,20	down
6146385	7228656	1444243	methionine aminopeptidase 1D	Map1d	311748	1,41	down
6218279	7228656	1444245	methionine aminopeptidase 1D	Map1d	311748	1,32	down
6219559	7228656	1444225	methionine aminopeptidase 1D	Map1d	311748	1,27	down
6375963	7228656	1444225	methionine aminopeptidase 1D	Map1d	311748	1,60	up
6387600	7228656	1444242	methionine aminopeptidase 1D	Map1d	311748	1,01	up
6398489	7228656	1444247	methionine aminopeptidase 1D	Map1d	311748	1,42	up
6460675	7228656	1444251	methionine aminopeptidase 1D	Map1d	311748	1,30	up
6517097	7228656	1444252	methionine aminopeptidase 1D	Map1d	311748	1,19	down
5643435	7172072	1304768	methyl-CpG binding domain protein 1	Mbd1	291439	1,23	down
5676357	7172072	1304766	methyl-CpG binding domain protein 1	Mbd1	291439	1,10	up
5714828	7172072	1304759	methyl-CpG binding domain protein 1	Mbd1	291439	1,01	up
5745378	7172072	1304758	methyl-CpG binding domain protein 1	Mbd1	291439	2,41	down
5826039	7172072	1304765	methyl-CpG binding domain protein 1	Mbd1	291439	1,26	up
6032254	7172072	1304761	methyl-CpG binding domain protein 1	Mbd1	291439	1,43	up
6058201	7172072	1304764	methyl-CpG binding domain protein 1	Mbd1	291439	1,15	down
6176410	7172072	1304764	methyl-CpG binding domain protein 1	Mbd1	291439	1,18	up
6325780	7172072	1304758	methyl-CpG binding domain protein 1	Mbd1	291439	1,01	down
6366467	7172072	1304769	methyl-CpG binding domain protein 1	Mbd1	291439	1,20	down
6418510	7172072	1304760	methyl-CpG binding domain protein 1	Mbd1	291439	1,03	down
6475886	7172072	1304767	methyl-CpG binding domain protein 1	Mbd1	291439	1,06	up
6488862	7172072	1304756	methyl-CpG binding domain protein 1	Mbd1	291439	1,09	up
6605394	7172072	1304763	methyl-CpG binding domain protein 1	Mbd1	291439	1,12	up
6671451	7172072	1304762	methyl-CpG binding domain protein 1	Mbd1	291439	1,34	up

6712675	7172072	1304757	methyl-CpG binding domain protein 1	Mbd1	291439	1,07	up
6737079	7172072	1304764	methyl-CpG binding domain protein 1	Mbd1	291439	1,17	up
5661170	7180243	1325514	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,21	up
5734197	7180243	1325503	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	2,11	up
5753349	7180243	1325514	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,20	up
6072887	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,03	up
6092102	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,00	up
6094451	7180243	1325503	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,43	down
6288199	7180243	1325510	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,04	up
6315817	7180243	1325511	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,01	down
6355657	7180243	1325506	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,06	down
6411786	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,90	up
6549930	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,56	down
6068621	7216994	1415204	MHC class I RT1.Aa alpha-chain /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 //3 /// RT1-Aw2 /// R'B09627 /// 24737 /// 2			1,05	down
6073732	7216994	1415204	MHC class I RT1.Aa alpha-chain /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 //3 /// RT1-Aw2 /// R'B09627 /// 24737 /// 2			1,02	down
5807970	7269258	1545452	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,11	up
5854513	7269258	1545449	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,36	down
6084706	7269258	1545447	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,08	up
6150262	7269258	1545452	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,44	down
6157238	7269258	1545450	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	2,71	down
6541727	7269258	1545454	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,02	up
6557209	7269258	1545448	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,36	up
6600405	7269258	1545451	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,19	up
6630537	7269258	1545447	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,04	down
6640594	7269258	1545454	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,99	up
6716975	7269258	1545447	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,06	down
6717502	7269258	1545453	microtubule associated monooxygenase, calponin and LIM domain containing 3	Mical3	362427	1,64	down
5624204	7355552	1758774	microtubule-associated protein 2	Map2	25595	1,13	down
5720084	7355552	1758775	microtubule-associated protein 2	Map2	25595	1,04	up
5720857	7355552	1758776	microtubule-associated protein 2	Map2	25595	1,53	down
5732759	7355552	1758771	microtubule-associated protein 2	Map2	25595	1,57	up
5775358	7355552	1758782	microtubule-associated protein 2	Map2	25595	1,03	down
5786355	7355552	1758770	microtubule-associated protein 2	Map2	25595	1,75	up
5853125	7355552	1758778	microtubule-associated protein 2	Map2	25595	1,01	down
6050102	7355552	1758774	microtubule-associated protein 2	Map2	25595	1,43	down
6085930	7355552	1758769	microtubule-associated protein 2	Map2	25595	2,19	up
6102156	7355552	1758777	microtubule-associated protein 2	Map2	25595	1,06	down
6167937	7355552	1758779	microtubule-associated protein 2	Map2	25595	1,25	down
6209380	7355552	1758783	microtubule-associated protein 2	Map2	25595	1,04	down
6235843	7355552	1758773	microtubule-associated protein 2	Map2	25595	1,01	down
6324804	7355552	1758781	microtubule-associated protein 2	Map2	25595	1,05	up
6445063	7355552	1758783	microtubule-associated protein 2	Map2	25595	1,01	down
6546989	7355552	1758772	microtubule-associated protein 2	Map2	25595	1,19	down
6573409	7355552	1758778	microtubule-associated protein 2	Map2	25595	2,30	up
6625718	7355552	1758780	microtubule-associated protein 2	Map2	25595	1,00	up
6732301	7355552	1758771	microtubule-associated protein 2	Map2	25595	1,71	up
5632153	7167823	1293894	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,16	up
5639410	7167823	1293872	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,21	up
5710130	7167823	1293888	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,03	down
5725625	7167823	1293885	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,06	up
5757604	7167823	1293875	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,35	down
5759164	7167823	1293868	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,20	down
5816914	7167823	1293883	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,09	down
5848616	7167823	1293889	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,08	up
5896783	7167823	1293882	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,12	down
5934944	7167823	1293892	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,27	up

5937411	7167823	1293863	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,04	down
5948002	7167823	1293888	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,24	down
6045540	7167823	1293874	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,28	down
6049932	7167823	1293890	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,48	up
6102899	7167823	1293867	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,09	up
6223192	7167823	1293873	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,15	down
6265415	7167823	1293876	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,17	up
6301405	7167823	1293877	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,02	down
6302957	7167823	1293885	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,05	down
6374644	7167823	1293869	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,35	up
6549353	7167823	1293877	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,11	down
6606959	7167823	1293891	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,10	up
6638582	7167823	1293879	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,19	down
6724620	7167823	1293871	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,06	down
6741657	7167823	1293863	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,74	up
5642336	7160053	1275392	minichromosome maintenance complex component 10	Mcm10	307126	1,06	down
5679862	7160053	1275399	minichromosome maintenance complex component 10	Mcm10	307126	2,11	down
5704933	7160053	1275381	minichromosome maintenance complex component 10	Mcm10	307126	1,35	down
5768760	7160053	1275396	minichromosome maintenance complex component 10	Mcm10	307126	1,15	down
5804441	7160053	1275390	minichromosome maintenance complex component 10	Mcm10	307126	1,35	up
5879035	7160053	1275392	minichromosome maintenance complex component 10	Mcm10	307126	1,15	down
5923720	7160053	1275389	minichromosome maintenance complex component 10	Mcm10	307126	1,03	down
6002980	7160053	1275379	minichromosome maintenance complex component 10	Mcm10	307126	1,36	up
6036614	7160053	1275385	minichromosome maintenance complex component 10	Mcm10	307126	1,06	up
6135151	7160053	1275395	minichromosome maintenance complex component 10	Mcm10	307126	1,38	up
6215403	7160053	1275384	minichromosome maintenance complex component 10	Mcm10	307126	1,07	up
6228999	7160053	1275381	minichromosome maintenance complex component 10	Mcm10	307126	1,28	down
6236758	7160053	1275393	minichromosome maintenance complex component 10	Mcm10	307126	1,01	down
6342492	7160053	1275380	minichromosome maintenance complex component 10	Mcm10	307126	2,67	down
6386602	7160053	1275386	minichromosome maintenance complex component 10	Mcm10	307126	1,10	down
6473226	7160053	1275381	minichromosome maintenance complex component 10	Mcm10	307126	1,35	down
6541620	7160053	1275391	minichromosome maintenance complex component 10	Mcm10	307126	1,74	down
6548781	7160053	1275397	minichromosome maintenance complex component 10	Mcm10	307126	1,28	up
6595489	7160053	1275378	minichromosome maintenance complex component 10	Mcm10	307126	1,28	down
6639109	7160053	1275398	minichromosome maintenance complex component 10	Mcm10	307126	1,14	down
6658972	7160053	1275383	minichromosome maintenance complex component 10	Mcm10	307126	1,31	down
6686719	7160053	1275394	minichromosome maintenance complex component 10	Mcm10	307126	1,06	up
6745249	7160053	1275400	minichromosome maintenance complex component 10	Mcm10	307126	1,36	up
5673886	7178972	1322341	minichromosome maintenance complex component 5	Mcm5	291885	1,17	up
5681374	7178972	1322349	minichromosome maintenance complex component 5	Mcm5	291885	1,13	down
5684386	7178972	1322345	minichromosome maintenance complex component 5	Mcm5	291885	1,16	down
5788239	7178972	1322350	minichromosome maintenance complex component 5	Mcm5	291885	1,54	up
5791646	7178972	1322339	minichromosome maintenance complex component 5	Mcm5	291885	1,04	up
5893427	7178972	1322336	minichromosome maintenance complex component 5	Mcm5	291885	1,34	up
5918104	7178972	1322335	minichromosome maintenance complex component 5	Mcm5	291885	1,11	up
5946397	7178972	1322334	minichromosome maintenance complex component 5	Mcm5	291885	1,06	up
6098158	7178972	1322338	minichromosome maintenance complex component 5	Mcm5	291885	1,04	up
6126469	7178972	1322333	minichromosome maintenance complex component 5	Mcm5	291885	1,08	up
6241403	7178972	1322342	minichromosome maintenance complex component 5	Mcm5	291885	1,12	up
6415921	7178972	1322343	minichromosome maintenance complex component 5	Mcm5	291885	1,33	down
6488743	7178972	1322337	minichromosome maintenance complex component 5	Mcm5	291885	1,61	up
6514889	7178972	1322333	minichromosome maintenance complex component 5	Mcm5	291885	1,19	up
6526376	7178972	1322344	minichromosome maintenance complex component 5	Mcm5	291885	1,43	up
6528684	7178972	1322350	minichromosome maintenance complex component 5	Mcm5	291885	1,20	up
6536967	7178972	1322347	minichromosome maintenance complex component 5	Mcm5	291885	2,12	down
6573537	7178972	1322340	minichromosome maintenance complex component 5	Mcm5	291885	1,30	down

6586079	7178972	1322348	minichromosome maintenance complex component 5	Mcm5	291885	1,09	up
6716000	7178972	1322346	minichromosome maintenance complex component 5	Mcm5	291885	1,30	up
5719226	7210713	1400748	misato homolog 1 (Drosophila)	Msto1	295237	2,77	down
5731912	7210713	1400756	misato homolog 1 (Drosophila)	Msto1	295237	1,02	up
5737711	7210713	1400750	misato homolog 1 (Drosophila)	Msto1	295237	1,17	up
5901916	7210713	1400757	misato homolog 1 (Drosophila)	Msto1	295237	1,62	up
5915695	7210713	1400749	misato homolog 1 (Drosophila)	Msto1	295237	1,39	up
5944287	7210713	1400758	misato homolog 1 (Drosophila)	Msto1	295237	1,34	down
5953729	7210713	1400747	misato homolog 1 (Drosophila)	Msto1	295237	1,48	up
6254835	7210713	1400753	misato homolog 1 (Drosophila)	Msto1	295237	1,09	up
6405129	7210713	1400753	misato homolog 1 (Drosophila)	Msto1	295237	1,02	down
6422226	7210713	1400753	misato homolog 1 (Drosophila)	Msto1	295237	1,30	down
6434333	7210713	1400754	misato homolog 1 (Drosophila)	Msto1	295237	1,21	up
6460335	7210713	1400754	misato homolog 1 (Drosophila)	Msto1	295237	1,14	down
6579254	7210713	1400755	misato homolog 1 (Drosophila)	Msto1	295237	1,74	down
6619931	7210713	1400747	misato homolog 1 (Drosophila)	Msto1	295237	1,19	up
6722361	7210713	1400758	misato homolog 1 (Drosophila)	Msto1	295237	1,60	up
6743938	7210713	1400751	misato homolog 1 (Drosophila)	Msto1	295237	1,63	down
5643041	7361254	1772679	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,45	down
5699463	7361254	1772685	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,90	up
5766422	7361254	1772680	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,38	down
5917467	7361254	1772681	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,30	up
6051730	7361254	1772684	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,42	up
6064021	7361254	1772683	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	2,24	down
6134501	7361254	1772683	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,37	up
6300861	7361254	1772682	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,40	down
6444475	7361254	1772686	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,34	down
6509746	7361254	1772680	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,16	down
5789230	7301669	1626045	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	1,44	down
5849136	7301669	1626042	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	2,56	down
5861848	7301669	1626045	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	1,66	up
6123112	7301669	1626043	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	1,07	up
6504511	7301669	1626044	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	1,31	up
6589781	7301669	1626046	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	1,06	down
6617321	7301669	1626041	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	1,59	down
6739746	7301669	1626047	mitochondrial hepatocellular carcinoma-downregulated carrier protein	Hdmcp	299316	1,04	down
5872142	7068086	1051202	mitochondrial ribosomal protein L55	Mrpl55	287356	1,16	down
5921212	7068086	1051204	mitochondrial ribosomal protein L55	Mrpl55	287356	1,16	up
5963875	7068086	1051197	mitochondrial ribosomal protein L55	Mrpl55	287356	1,02	down
6181664	7068086	1051207	mitochondrial ribosomal protein L55	Mrpl55	287356	1,15	up
6437205	7068086	1051204	mitochondrial ribosomal protein L55	Mrpl55	287356	1,40	down
6440210	7068086	1051206	mitochondrial ribosomal protein L55	Mrpl55	287356	1,25	down
6532225	7068086	1051204	mitochondrial ribosomal protein L55	Mrpl55	287356	2,67	up
5643422	7188829	1346650	mitochondrial ribosomal protein S27	Mrps27	361883	1,20	up
6060035	7188829	1346653	mitochondrial ribosomal protein S27	Mrps27	361883	1,05	up
6117824	7188829	1346652	mitochondrial ribosomal protein S27	Mrps27	361883	1,58	up
6133239	7188829	1346651	mitochondrial ribosomal protein S27	Mrps27	361883	1,00	up
6481158	7188829	1346657	mitochondrial ribosomal protein S27	Mrps27	361883	1,72	down
5730932	7152974	1257655	mitochondrial ribosomal protein S31	Mrps31	290850	1,11	down
5780709	7152974	1257662	mitochondrial ribosomal protein S31	Mrps31	290850	1,43	down
5810637	7152974	1257662	mitochondrial ribosomal protein S31	Mrps31	290850	1,01	down
5915680	7152974	1257656	mitochondrial ribosomal protein S31	Mrps31	290850	1,30	up
6004728	7152974	1257662	mitochondrial ribosomal protein S31	Mrps31	290850	1,25	down
6069465	7152974	1257655	mitochondrial ribosomal protein S31	Mrps31	290850	1,31	up
6072365	7152974	1257660	mitochondrial ribosomal protein S31	Mrps31	290850	1,11	up
6179267	7152974	1257663	mitochondrial ribosomal protein S31	Mrps31	290850	1,32	up

6255341	7152974	1257663	mitochondrial ribosomal protein S31	Mrps31	290850	1,11	down
6326259	7152974	1257663	mitochondrial ribosomal protein S31	Mrps31	290850	1,22	down
6379275	7152974	1257654	mitochondrial ribosomal protein S31	Mrps31	290850	1,30	down
6405239	7152974	1257661	mitochondrial ribosomal protein S31	Mrps31	290850	1,04	up
6740482	7152974	1257659	mitochondrial ribosomal protein S31	Mrps31	290850	1,09	up
5712783	7280049	1573125	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,27	up
5760226	7280049	1573129	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,15	down
5777504	7280049	1573126	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,56	down
6097252	7280049	1573127	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,12	down
6143121	7280049	1573135	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,29	up
6236422	7280049	1573128	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,03	down
6294915	7280049	1573130	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,25	down
6422301	7280049	1573132	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	2,43	up
6443468	7280049	1573131	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,11	down
6591507	7280049	1573134	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,19	up
6652750	7280049	1573133	mitochondrial trans-2-enoyl-CoA reductase	Mecr	29470	1,31	down
5643947	7030233	961158	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,23	down
5657591	7030233	961173	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,19	up
5677788	7030233	961174	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,40	up
5743685	7030233	961152	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,15	down
5756053	7030233	961178	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,48	down
5835043	7030233	961175	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,10	up
5838269	7030233	961162	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,11	down
5891047	7030233	961175	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,41	up
5900841	7030233	961167	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,94	down
5902366	7030233	961154	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,05	up
5910371	7030233	961148	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,15	up
5926383	7030233	961155	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,62	down
5934014	7030233	961166	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,04	up
5989941	7030233	961146	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,02	down
6071151	7030233	961163	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,07	up
6136520	7030233	961164	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,09	up
6165878	7030233	961165	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,09	up
6207224	7030233	961168	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,24	up
6210359	7030233	961172	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,74	down
6252070	7030233	961150	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,18	up
6277941	7030233	961171	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	2,40	down
6326544	7030233	961168	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,18	up
6352218	7030233	961160	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,35	down
6353991	7030233	961161	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,05	up
6408017	7030233	961159	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,32	up
6455713	7030233	961156	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,11	down
6536465	7030233	961149	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,05	down
6564566	7030233	961169	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,17	down
6588103	7030233	961151	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,04	down
6601520	7030233	961153	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,09	down
6618439	7030233	961178	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,18	up
6623200	7030233	961147	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,11	down
6629428	7030233	961165	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	2,42	down
6678975	7030233	961157	mitogen activated protein kinase kinase kinase kinase 1	Map4k1	292763	1,15	down
5650814	7330659	1697057	mitogen-activated protein kinase 11	Mapk11	689314	1,46	up
5688639	7330659	1697059	mitogen-activated protein kinase 11	Mapk11	689314	1,02	up
5708157	7330659	1697060	mitogen-activated protein kinase 11	Mapk11	689314	2,12	up
5815501	7330659	1697053	mitogen-activated protein kinase 11	Mapk11	689314	1,29	down
5864520	7330659	1697062	mitogen-activated protein kinase 11	Mapk11	689314	1,04	down
5884946	7330659	1697056	mitogen-activated protein kinase 11	Mapk11	689314	1,07	up

5895124	7330659	1697051	mitogen-activated protein kinase 11	Mapk11	689314	1,01	up
5933006	7330659	1697057	mitogen-activated protein kinase 11	Mapk11	689314	1,32	down
6040230	7330659	1697061	mitogen-activated protein kinase 11	Mapk11	689314	1,03	down
6116486	7330659	1697054	mitogen-activated protein kinase 11	Mapk11	689314	1,30	down
6186495	7330659	1697051	mitogen-activated protein kinase 11	Mapk11	689314	1,17	down
6315107	7330659	1697052	mitogen-activated protein kinase 11	Mapk11	689314	1,20	down
6339395	7330659	1697060	mitogen-activated protein kinase 11	Mapk11	689314	1,07	up
6422246	7330659	1697058	mitogen-activated protein kinase 11	Mapk11	689314	1,14	up
6589581	7330659	1697055	mitogen-activated protein kinase 11	Mapk11	689314	1,10	up
6612857	7330659	1697058	mitogen-activated protein kinase 11	Mapk11	689314	1,12	up
6701070	7330659	1697051	mitogen-activated protein kinase 11	Mapk11	689314	1,06	down
5738486	7330647	1697030	mitogen-activated protein kinase 12	Mapk12	60352	1,45	up
5879250	7330647	1697037	mitogen-activated protein kinase 12	Mapk12	60352	2,17	down
5895535	7330647	1697037	mitogen-activated protein kinase 12	Mapk12	60352	1,95	down
5980264	7330647	1697026	mitogen-activated protein kinase 12	Mapk12	60352	1,12	up
6028042	7330647	1697036	mitogen-activated protein kinase 12	Mapk12	60352	1,29	up
6045709	7330647	1697035	mitogen-activated protein kinase 12	Mapk12	60352	1,04	down
6078256	7330647	1697027	mitogen-activated protein kinase 12	Mapk12	60352	1,18	up
6227011	7330647	1697033	mitogen-activated protein kinase 12	Mapk12	60352	1,60	down
6271936	7330647	1697029	mitogen-activated protein kinase 12	Mapk12	60352	1,06	up
6313536	7330647	1697028	mitogen-activated protein kinase 12	Mapk12	60352	1,16	down
6433960	7330647	1697034	mitogen-activated protein kinase 12	Mapk12	60352	1,06	up
6523491	7330647	1697032	mitogen-activated protein kinase 12	Mapk12	60352	1,50	down
6715701	7330647	1697031	mitogen-activated protein kinase 12	Mapk12	60352	1,12	down
5691706	7318156	1668147	mitogen-activated protein kinase 15	Mapk15	286997	1,27	up
5743842	7318156	1668137	mitogen-activated protein kinase 15	Mapk15	286997	1,03	down
5876215	7318156	1668136	mitogen-activated protein kinase 15	Mapk15	286997	1,80	up
5886262	7318156	1668139	mitogen-activated protein kinase 15	Mapk15	286997	1,18	up
5958811	7318156	1668143	mitogen-activated protein kinase 15	Mapk15	286997	1,81	down
5991908	7318156	1668138	mitogen-activated protein kinase 15	Mapk15	286997	1,02	up
5997028	7318156	1668142	mitogen-activated protein kinase 15	Mapk15	286997	1,54	down
6078067	7318156	1668142	mitogen-activated protein kinase 15	Mapk15	286997	1,15	down
6144228	7318156	1668147	mitogen-activated protein kinase 15	Mapk15	286997	1,00	up
6156227	7318156	1668148	mitogen-activated protein kinase 15	Mapk15	286997	2,06	down
6247343	7318156	1668134	mitogen-activated protein kinase 15	Mapk15	286997	1,08	up
6524044	7318156	1668145	mitogen-activated protein kinase 15	Mapk15	286997	1,41	up
6591732	7318156	1668135	mitogen-activated protein kinase 15	Mapk15	286997	1,37	up
6596927	7318156	1668141	mitogen-activated protein kinase 15	Mapk15	286997	1,85	down
6674302	7318156	1668140	mitogen-activated protein kinase 15	Mapk15	286997	1,33	down
6692378	7318156	1668144	mitogen-activated protein kinase 15	Mapk15	286997	1,25	down
6743816	7318156	1668146	mitogen-activated protein kinase 15	Mapk15	286997	1,01	down
5834292	7177180	1317778	mitogen-activated protein kinase 4	Mapk4	54268	1,08	up
5847014	7177180	1317769	mitogen-activated protein kinase 4	Mapk4	54268	1,42	down
6089309	7177180	1317770	mitogen-activated protein kinase 4	Mapk4	54268	2,21	up
5748562	7078273	1075819	mitogen-activated protein kinase 7	Mapk7	114509	1,24	down
6216364	7078273	1075819	mitogen-activated protein kinase 7	Mapk7	114509	1,35	up
6319071	7078273	1075820	mitogen-activated protein kinase 7	Mapk7	114509	2,34	up
6370439	7078273	1075820	mitogen-activated protein kinase 7	Mapk7	114509	1,01	down
6405203	7078273	1075820	mitogen-activated protein kinase 7	Mapk7	114509	1,02	down
6444012	7078273	1075819	mitogen-activated protein kinase 7	Mapk7	114509	1,14	down
6463930	7078273	1075819	mitogen-activated protein kinase 7	Mapk7	114509	1,63	down
6489240	7078273	1075819	mitogen-activated protein kinase 7	Mapk7	114509	1,59	up
6706274	7078273	1075818	mitogen-activated protein kinase 7	Mapk7	114509	1,64	down
5673932	7149008	1248599	mitogen-activated protein kinase 8	Mapk8	116554	1,01	down
5697557	7149008	1248595	mitogen-activated protein kinase 8	Mapk8	116554	1,51	down
5697710	7149008	1248608	mitogen-activated protein kinase 8	Mapk8	116554	1,45	up

5735680	7149008	1248616	mitogen-activated protein kinase 8	Mapk8	116554	1,02	down
5861845	7149008	1248598	mitogen-activated protein kinase 8	Mapk8	116554	1,45	up
5967457	7149008	1248601	mitogen-activated protein kinase 8	Mapk8	116554	2,67	up
5995482	7149008	1248598	mitogen-activated protein kinase 8	Mapk8	116554	1,09	up
6004975	7149008	1248595	mitogen-activated protein kinase 8	Mapk8	116554	1,25	up
6235230	7149008	1248602	mitogen-activated protein kinase 8	Mapk8	116554	1,21	down
6243867	7149008	1248607	mitogen-activated protein kinase 8	Mapk8	116554	1,10	up
6355612	7149008	1248596	mitogen-activated protein kinase 8	Mapk8	116554	1,24	down
6372791	7149008	1248608	mitogen-activated protein kinase 8	Mapk8	116554	1,10	down
6388266	7149008	1248599	mitogen-activated protein kinase 8	Mapk8	116554	1,35	down
6447486	7149008	1248604	mitogen-activated protein kinase 8	Mapk8	116554	1,17	up
6688725	7149008	1248603	mitogen-activated protein kinase 8	Mapk8	116554	1,16	up
5628472	7083160	1086531	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,79	down
5635753	7083160	1086531	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,28	down
5690396	7083160	1086535	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,21	down
5766625	7083160	1086532	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,14	up
5888968	7083160	1086551	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,51	up
5900830	7083160	1086548	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,14	down
5903098	7083160	1086549	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,22	up
5948683	7083160	1086542	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,03	up
5966661	7083160	1086537	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,57	down
5975556	7083160	1086550	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,42	up
6097844	7083160	1086532	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,04	down
6167760	7083160	1086544	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,57	up
6284325	7083160	1086538	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,24	up
6294672	7083160	1086552	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,50	up
6326282	7083160	1086543	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,06	up
6459274	7083160	1086540	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,31	up
6506525	7083160	1086536	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,71	up
6527231	7083160	1086539	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,02	up
6608126	7083160	1086533	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,31	down
6649725	7083160	1086531	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,10	down
6656541	7083160	1086556	mitogen-activated protein kinase kinase kinase 14	Map3k14	360640	1,37	down
5645309	7349824	1744690	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	2,13	up
5670819	7349824	1744690	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,56	down
5814427	7349824	1744687	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,32	up
5830661	7349824	1744679	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,25	down
5867857	7349824	1744691	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,16	up
5888355	7349824	1744683	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,35	up
5925818	7349824	1744689	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,25	up
5932878	7349824	1744686	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,04	up
5961790	7349824	1744684	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,31	up
5981603	7349824	1744683	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,05	down
6093397	7349824	1744681	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,23	down
6225335	7349824	1744685	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,83	down
6271753	7349824	1744688	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,59	up
6455659	7349824	1744689	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,40	down
6510710	7349824	1744679	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,27	down
6622713	7349824	1744682	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,08	down
6635601	7349824	1744680	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,02	down
5672460	7098451	1123813	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,21	down
5689401	7098451	1123819	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,17	down
5789158	7098451	1123823	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,72	down
5945799	7098451	1123817	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,25	up
5953768	7098451	1123816	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,18	down
6080692	7098451	1123815	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,31	up

6124758	7098451	1123823	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,13	down
6167369	7098451	1123823	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,05	up
6187171	7098451	1123818	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,35	up
6271893	7098451	1123814	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,10	up
6324174	7098451	1123820	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,12	up
6509968	7098451	1123812	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	1,15	down
6565038	7098451	1123822	mitogen-activated protein kinase-activated protein kinase 5	Mapkapk5	498183	3,99	down
5661957	7284934	1584887	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,51	down
5668744	7284934	1584915	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,33	up
5821527	7284934	1584915	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,03	up
5954642	7284934	1584888	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,24	up
6022478	7284934	1584887	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,28	down
6223501	7284934	1584916	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,16	down
6287458	7284934	1584886	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,14	up
6422887	7284934	1584902	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,36	up
6564814	7284934	1584885	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobkl2b	366352	1,22	up
5906038	7375727	1810877	moesin	Msn	81521	1,20	down
5911591	7375727	1810882	moesin	Msn	81521	1,24	down
5943463	7375727	1810878	moesin	Msn	81521	1,53	up
5944173	7375727	1810874	moesin	Msn	81521	1,10	up
5961844	7375727	1810883	moesin	Msn	81521	2,01	up
5988620	7375727	1810875	moesin	Msn	81521	1,10	down
6088851	7375727	1810873	moesin	Msn	81521	1,29	up
6287335	7375727	1810880	moesin	Msn	81521	1,13	down
6381874	7375727	1810876	moesin	Msn	81521	1,38	up
6418148	7375727	1810872	moesin	Msn	81521	1,25	down
6600896	7375727	1810879	moesin	Msn	81521	1,12	down
5678020	7168519	1295873	molybdenum cofactor sulfurase	Mocos	361300	1,64	up
5708671	7168519	1295872	molybdenum cofactor sulfurase	Mocos	361300	1,01	down
5777987	7168519	1295864	molybdenum cofactor sulfurase	Mocos	361300	1,30	down
5811089	7168519	1295875	molybdenum cofactor sulfurase	Mocos	361300	1,72	down
5828870	7168519	1295876	molybdenum cofactor sulfurase	Mocos	361300	1,06	up
5878552	7168519	1295871	molybdenum cofactor sulfurase	Mocos	361300	1,36	up
5943951	7168519	1295870	molybdenum cofactor sulfurase	Mocos	361300	1,05	up
5953429	7168519	1295874	molybdenum cofactor sulfurase	Mocos	361300	1,10	up
5961367	7168519	1295885	molybdenum cofactor sulfurase	Mocos	361300	1,04	down
6037005	7168519	1295874	molybdenum cofactor sulfurase	Mocos	361300	1,10	up
6190661	7168519	1295868	molybdenum cofactor sulfurase	Mocos	361300	1,24	up
6210258	7168519	1295883	molybdenum cofactor sulfurase	Mocos	361300	1,03	down
6225481	7168519	1295864	molybdenum cofactor sulfurase	Mocos	361300	1,18	down
6294641	7168519	1295866	molybdenum cofactor sulfurase	Mocos	361300	1,12	up
6322790	7168519	1295867	molybdenum cofactor sulfurase	Mocos	361300	1,14	down
6381101	7168519	1295884	molybdenum cofactor sulfurase	Mocos	361300	1,26	up
6411246	7168519	1295869	molybdenum cofactor sulfurase	Mocos	361300	1,11	up
6417891	7168519	1295874	molybdenum cofactor sulfurase	Mocos	361300	2,28	up
6452526	7168519	1295864	molybdenum cofactor sulfurase	Mocos	361300	1,08	down
6453341	7168519	1295877	molybdenum cofactor sulfurase	Mocos	361300	1,42	up
6605663	7168519	1295884	molybdenum cofactor sulfurase	Mocos	361300	1,68	down
6695886	7168519	1295879	molybdenum cofactor sulfurase	Mocos	361300	1,24	down
6713244	7168519	1295881	molybdenum cofactor sulfurase	Mocos	361300	1,10	up
5813108	7340258	1720737	MON1 homolog A (yeast)	Mon1a	315999	1,04	up
5938119	7340258	1720743	MON1 homolog A (yeast)	Mon1a	315999	1,12	up
5996769	7340258	1720741	MON1 homolog A (yeast)	Mon1a	315999	1,22	down
6050216	7340258	1720742	MON1 homolog A (yeast)	Mon1a	315999	1,57	up
6089149	7340258	1720737	MON1 homolog A (yeast)	Mon1a	315999	2,02	down
6285024	7340258	1720743	MON1 homolog A (yeast)	Mon1a	315999	1,01	down

6351358	7340258	1720743	MON1 homolog A (yeast)	Mon1a	315999	1,04	up
6524395	7340258	1720743	MON1 homolog A (yeast)	Mon1a	315999	1,03	down
5624981	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,07	up
5817231	7181193	1328288	MON1 homolog b (yeast)	Mon1b	307868	1,24	up
5871430	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,36	down
5895228	7181193	1328290	MON1 homolog b (yeast)	Mon1b	307868	1,56	down
5927400	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,12	down
6093705	7181193	1328288	MON1 homolog b (yeast)	Mon1b	307868	1,02	down
6416432	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,19	up
6697530	7181193	1328291	MON1 homolog b (yeast)	Mon1b	307868	1,05	up
5739825	7373289	1804804	monoamine oxidase B	Maob	25750	1,04	up
5802979	7373289	1804805	monoamine oxidase B	Maob	25750	1,04	up
5861364	7373289	1804802	monoamine oxidase B	Maob	25750	1,21	up
5930447	7373289	1804796	monoamine oxidase B	Maob	25750	1,07	down
5983612	7373289	1804806	monoamine oxidase B	Maob	25750	1,05	down
5996267	7373289	1804798	monoamine oxidase B	Maob	25750	1,37	up
6050793	7373289	1804803	monoamine oxidase B	Maob	25750	2,28	up
6057628	7373289	1804793	monoamine oxidase B	Maob	25750	1,01	down
6113669	7373289	1804800	monoamine oxidase B	Maob	25750	1,04	up
6177830	7373289	1804792	monoamine oxidase B	Maob	25750	1,73	up
6365736	7373289	1804807	monoamine oxidase B	Maob	25750	1,67	down
6443031	7373289	1804794	monoamine oxidase B	Maob	25750	1,07	up
6465863	7373289	1804798	monoamine oxidase B	Maob	25750	1,06	up
6476218	7373289	1804801	monoamine oxidase B	Maob	25750	1,24	down
6500053	7373289	1804797	monoamine oxidase B	Maob	25750	1,15	down
6553418	7373289	1804795	monoamine oxidase B	Maob	25750	1,03	down
6663901	7373289	1804799	monoamine oxidase B	Maob	25750	1,00	up
6711133	7092965	1110206	MORC family CW-type zinc finger 1	Morc1	360712	1,56	down
5662794	7098126	1122965	M-phase phosphoprotein 9	Mphosph9	288654	1,40	up
5677525	7098126	1122960	M-phase phosphoprotein 9	Mphosph9	288654	1,22	up
5841836	7098126	1122958	M-phase phosphoprotein 9	Mphosph9	288654	1,20	up
6060114	7098126	1122959	M-phase phosphoprotein 9	Mphosph9	288654	1,09	down
6390838	7098126	1122963	M-phase phosphoprotein 9	Mphosph9	288654	1,04	up
6475422	7098126	1122962	M-phase phosphoprotein 9	Mphosph9	288654	1,12	up
6527687	7098126	1122984	M-phase phosphoprotein 9	Mphosph9	288654	1,09	down
6634567	7098126	1122966	M-phase phosphoprotein 9	Mphosph9	288654	1,54	up
5641535	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,36	up
5642686	7094139	1112910	mucin 4, cell surface associated	Muc4	303887	1,01	down
5663535	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,31	down
5793140	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,49	down
5807911	7094139	1112889	mucin 4, cell surface associated	Muc4	303887	1,70	down
5828335	7094139	1112921	mucin 4, cell surface associated	Muc4	303887	1,29	down
5829131	7094139	1112921	mucin 4, cell surface associated	Muc4	303887	1,10	down
5842492	7094139	1112889	mucin 4, cell surface associated	Muc4	303887	1,06	down
5846143	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,18	down
5984100	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,01	up
5996509	7094139	1112904	mucin 4, cell surface associated	Muc4	303887	1,09	up
6011314	7094139	1112902	mucin 4, cell surface associated	Muc4	303887	1,25	down
6060347	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,18	up
6075613	7094139	1112906	mucin 4, cell surface associated	Muc4	303887	1,26	up
6140304	7094139	1112909	mucin 4, cell surface associated	Muc4	303887	1,33	down
6140594	7094139	1112893	mucin 4, cell surface associated	Muc4	303887	1,03	down
6184104	7094139	1112890	mucin 4, cell surface associated	Muc4	303887	1,27	up
6194031	7094139	1112905	mucin 4, cell surface associated	Muc4	303887	1,86	up
6259353	7094139	1112899	mucin 4, cell surface associated	Muc4	303887	1,33	up
6269050	7094139	1112908	mucin 4, cell surface associated	Muc4	303887	1,51	down

6287725	7094139	1112891	mucin 4, cell surface associated	Muc4	303887	1,22	up
6315769	7094139	1112913	mucin 4, cell surface associated	Muc4	303887	1,21	up
6324140	7094139	1112896	mucin 4, cell surface associated	Muc4	303887	1,07	up
6336956	7094139	1112892	mucin 4, cell surface associated	Muc4	303887	1,18	up
6345072	7094139	1112903	mucin 4, cell surface associated	Muc4	303887	1,18	up
6376039	7094139	1112915	mucin 4, cell surface associated	Muc4	303887	1,73	down
6402687	7094139	1112918	mucin 4, cell surface associated	Muc4	303887	1,45	up
6495078	7094139	1112911	mucin 4, cell surface associated	Muc4	303887	1,05	up
6558116	7094139	1112907	mucin 4, cell surface associated	Muc4	303887	1,58	down
6573971	7094139	1112898	mucin 4, cell surface associated	Muc4	303887	1,15	down
6631163	7094139	1112921	mucin 4, cell surface associated	Muc4	303887	1,03	up
6647512	7094139	1112895	mucin 4, cell surface associated	Muc4	303887	1,31	down
6677765	7094139	1112901	mucin 4, cell surface associated	Muc4	303887	1,76	up
6685295	7094139	1112900	mucin 4, cell surface associated	Muc4	303887	1,07	up
6697729	7094139	1112917	mucin 4, cell surface associated	Muc4	303887	1,25	up
5695892	7058761	1028764	mucin and cadherin like	Mucdhl	171554	1,03	down
5826682	7058761	1028767	mucin and cadherin like	Mucdhl	171554	1,19	down
5885427	7058761	1028769	mucin and cadherin like	Mucdhl	171554	1,01	up
5947956	7058761	1028763	mucin and cadherin like	Mucdhl	171554	1,00	up
5977012	7058761	1028761	mucin and cadherin like	Mucdhl	171554	1,37	down
6009548	7058761	1028773	mucin and cadherin like	Mucdhl	171554	1,66	up
6087589	7058761	1028762	mucin and cadherin like	Mucdhl	171554	1,36	down
6158174	7058761	1028768	mucin and cadherin like	Mucdhl	171554	1,34	up
6188568	7058761	1028771	mucin and cadherin like	Mucdhl	171554	1,05	down
6218069	7058761	1028760	mucin and cadherin like	Mucdhl	171554	1,34	down
6356124	7058761	1028770	mucin and cadherin like	Mucdhl	171554	1,04	down
6380442	7058761	1028760	mucin and cadherin like	Mucdhl	171554	1,24	up
6381109	7058761	1028759	mucin and cadherin like	Mucdhl	171554	1,09	up
6510155	7058761	1028761	mucin and cadherin like	Mucdhl	171554	1,26	up
6537835	7058761	1028766	mucin and cadherin like	Mucdhl	171554	1,14	up
6540378	7058761	1028774	mucin and cadherin like	Mucdhl	171554	1,01	up
6558563	7058761	1028759	mucin and cadherin like	Mucdhl	171554	1,46	down
6585570	7058761	1028765	mucin and cadherin like	Mucdhl	171554	1,69	down
6632595	7058761	1028772	mucin and cadherin like	Mucdhl	171554	1,28	up
6644399	7058761	1028758	mucin and cadherin like	Mucdhl	171554	1,08	down
6694427	7058761	1028758	mucin and cadherin like	Mucdhl	171554	1,00	down
6740028	7058761	1028774	mucin and cadherin like	Mucdhl	171554	2,19	down
6019842	7170764	1301458	multiple EGF-like domains 10	Megf10	291445	1,34	down
6187489	7170764	1301454	multiple EGF-like domains 10	Megf10	291445	1,25	up
6246159	7170764	1301465	multiple EGF-like domains 10	Megf10	291445	1,03	up
6334563	7170764	1301461	multiple EGF-like domains 10	Megf10	291445	1,11	up
6664406	7170764	1301453	multiple EGF-like domains 10	Megf10	291445	1,18	down
5944571	7337224	1712542	multiple EGF-like-domains 11	Megf11	691517	1,30	up
6121937	7337224	1712630	multiple EGF-like-domains 11	Megf11	691517	1,33	up
6248969	7337224	1712627	multiple EGF-like-domains 11	Megf11	691517	1,02	up
6565261	7337224	1712571	multiple EGF-like-domains 11	Megf11	691517	1,34	up
6577028	7337224	1712628	multiple EGF-like-domains 11	Megf11	691517	1,00	up
5637197	7059765	1030969	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,14	down
5699569	7059765	1030960	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,02	up
5712013	7059765	1030963	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,02	up
5726906	7059765	1030966	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,21	up
5754925	7059765	1030967	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,24	down
5771967	7059765	1030961	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,63	up
5842639	7059765	1030957	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,05	up
5870628	7059765	1030966	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,11	up
5945519	7059765	1030964	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,41	down

6007182	7059765	1030955	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,27	down
6029080	7059765	1030956	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,04	up
6198066	7059765	1030958	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,61	down
6348244	7059765	1030968	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,41	up
6524042	7059765	1030964	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,21	up
6541718	7059765	1030959	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,05	down
6620894	7059765	1030955	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	2,67	up
6707200	7059765	1030962	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,51	up
6717115	7059765	1030965	MUS81 endonuclease homolog (S. cerevisiae)	Mus81	293678	1,08	down
5627902	7102951	1134987	Musashi homolog 1(Drosophila)	Msi1	259272	1,83	up
5716284	7102951	1134978	Musashi homolog 1(Drosophila)	Msi1	259272	1,59	down
5849459	7102951	1134979	Musashi homolog 1(Drosophila)	Msi1	259272	1,65	down
6125625	7102951	1134981	Musashi homolog 1(Drosophila)	Msi1	259272	1,07	down
6170832	7102951	1134988	Musashi homolog 1(Drosophila)	Msi1	259272	1,34	down
6193505	7102951	1134984	Musashi homolog 1(Drosophila)	Msi1	259272	1,23	up
6268007	7102951	1134977	Musashi homolog 1(Drosophila)	Msi1	259272	1,41	down
6438943	7102951	1134985	Musashi homolog 1(Drosophila)	Msi1	259272	1,40	up
6446461	7102951	1134986	Musashi homolog 1(Drosophila)	Msi1	259272	1,87	down
6499552	7102951	1134983	Musashi homolog 1(Drosophila)	Msi1	259272	1,61	up
6560756	7102951	1134982	Musashi homolog 1(Drosophila)	Msi1	259272	1,03	down
6586291	7102951	1134978	Musashi homolog 1(Drosophila)	Msi1	259272	2,36	down
6744626	7102951	1134980	Musashi homolog 1(Drosophila)	Msi1	259272	1,91	down
5715055	7384179	1829770	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,07	down
5780698	7384179	1829783	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,13	up
5850478	7384179	1829777	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,04	down
5939422	7384179	1829772	muscleblind-like 3 (Drosophila)	Mbnl3	302492	2,18	down
5963009	7384179	1829776	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,12	up
5966339	7384179	1829779	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,16	up
6154087	7384179	1829775	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,02	down
6161709	7384179	1829779	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,04	down
6388329	7384179	1829783	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,27	down
6478653	7384179	1829775	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,08	up
5760896	7107733	1146386	myelin protein zero	Mpz	24564	2,45	down
5846532	7107733	1146389	myelin protein zero	Mpz	24564	1,34	up
5949985	7107733	1146391	myelin protein zero	Mpz	24564	1,03	down
5973366	7107733	1146388	myelin protein zero	Mpz	24564	1,91	down
6126919	7107733	1146387	myelin protein zero	Mpz	24564	1,00	up
6273217	7107733	1146391	myelin protein zero	Mpz	24564	1,11	up
6292116	7107733	1146390	myelin protein zero	Mpz	24564	1,09	up
6598294	7107733	1146391	myelin protein zero	Mpz	24564	1,35	up
6715458	7107733	1146391	myelin protein zero	Mpz	24564	1,05	up
5820248	7335632	1708457	myelin protein zero-like 3	Mpzl3	363054	2,21	down
5958272	7335632	1708455	myelin protein zero-like 3	Mpzl3	363054	1,27	up
5974144	7335632	1708455	myelin protein zero-like 3	Mpzl3	363054	1,33	up
6009034	7335632	1708451	myelin protein zero-like 3	Mpzl3	363054	1,25	up
6010274	7335632	1708457	myelin protein zero-like 3	Mpzl3	363054	1,01	up
6056807	7335632	1708456	myelin protein zero-like 3	Mpzl3	363054	1,54	up
6224094	7335632	1708454	myelin protein zero-like 3	Mpzl3	363054	1,06	up
6313953	7335632	1708450	myelin protein zero-like 3	Mpzl3	363054	1,13	up
5685754	7236492	1464551	myelin transcription factor 1	Myt1	362291	1,06	down
5687220	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,10	down
5766018	7236492	1464549	myelin transcription factor 1	Myt1	362291	1,01	down
5841182	7236492	1464546	myelin transcription factor 1	Myt1	362291	1,39	up
5854045	7236492	1464547	myelin transcription factor 1	Myt1	362291	1,20	down
5900030	7236492	1464557	myelin transcription factor 1	Myt1	362291	1,34	up
5907604	7236492	1464546	myelin transcription factor 1	Myt1	362291	1,21	down

5948055	7236492	1464548	myelin transcription factor 1	Myt1	362291	1,00	up
5978262	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,42	down
6017382	7236492	1464555	myelin transcription factor 1	Myt1	362291	1,13	up
6091620	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,58	up
6215242	7236492	1464546	myelin transcription factor 1	Myt1	362291	1,07	down
6344520	7236492	1464547	myelin transcription factor 1	Myt1	362291	1,14	down
6360114	7236492	1464562	myelin transcription factor 1	Myt1	362291	1,08	up
6410791	7236492	1464564	myelin transcription factor 1	Myt1	362291	1,28	down
6426109	7236492	1464550	myelin transcription factor 1	Myt1	362291	1,02	up
6461973	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,26	down
6484421	7236492	1464559	myelin transcription factor 1	Myt1	362291	1,36	down
6560103	7236492	1464556	myelin transcription factor 1	Myt1	362291	1,05	down
6576042	7236492	1464563	myelin transcription factor 1	Myt1	362291	1,11	down
6599123	7236492	1464566	myelin transcription factor 1	Myt1	362291	1,34	down
6645348	7236492	1464558	myelin transcription factor 1	Myt1	362291	1,08	up
6646180	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,19	down
6655804	7236492	1464547	myelin transcription factor 1	Myt1	362291	1,27	up
6667945	7236492	1464561	myelin transcription factor 1	Myt1	362291	1,43	down
6723288	7236492	1464554	myelin transcription factor 1	Myt1	362291	1,31	up
6746615	7236492	1464553	myelin transcription factor 1	Myt1	362291	1,12	down
5625165	7049916	1009200	myelin-associated glycoprotein	Mag	29409	1,30	down
5688723	7049916	1009206	myelin-associated glycoprotein	Mag	29409	1,42	down
5769909	7049916	1009202	myelin-associated glycoprotein	Mag	29409	1,30	up
5827182	7049916	1009203	myelin-associated glycoprotein	Mag	29409	1,01	up
6067354	7049916	1009202	myelin-associated glycoprotein	Mag	29409	1,57	up
6215116	7049916	1009205	myelin-associated glycoprotein	Mag	29409	1,03	down
6224156	7049916	1009207	myelin-associated glycoprotein	Mag	29409	1,01	up
6259153	7049916	1009198	myelin-associated glycoprotein	Mag	29409	1,10	down
6319226	7049916	1009197	myelin-associated glycoprotein	Mag	29409	1,23	up
6424814	7049916	1009201	myelin-associated glycoprotein	Mag	29409	1,17	down
6523260	7049916	1009207	myelin-associated glycoprotein	Mag	29409	1,51	up
6623938	7049916	1009204	myelin-associated glycoprotein	Mag	29409	1,27	down
6697543	7049916	1009209	myelin-associated glycoprotein	Mag	29409	1,03	down
6717110	7049916	1009208	myelin-associated glycoprotein	Mag	29409	1,17	down
6189374	7317471	1666225	myelocytomatosis oncogene	Myc	24577	2,44	down
6218948	7317471	1666225	myelocytomatosis oncogene	Myc	24577	1,87	up
6410640	7317471	1666227	myelocytomatosis oncogene	Myc	24577	1,30	up
6442901	7317471	1666228	myelocytomatosis oncogene	Myc	24577	1,05	up
6611276	7317471	1666229	myelocytomatosis oncogene	Myc	24577	2,78	down
6745472	7317471	1666226	myelocytomatosis oncogene	Myc	24577	2,92	up
5637814	7344838	1732438	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,17	down
5641093	7344838	1732454	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,13	down
5664330	7344838	1732425	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,44	down
5681398	7344838	1732448	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,26	up
5709313	7344838	1732430	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,29	up
5721054	7344838	1732460	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,06	up
5744682	7344838	1732416	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,33	down
5769609	7344838	1732447	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,10	up
5784482	7344838	1732423	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,23	down
5813848	7344838	1732424	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,24	up
5888913	7344838	1732418	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	up
5898230	7344838	1732431	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,07	up
5899215	7344838	1732427	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,22	up
5933400	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,32	up
5937401	7344838	1732435	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,17	down
5939956	7344838	1732439	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,08	up

5944094	7344838	1732428	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,07	up
5995246	7344838	1732449	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,28	up
6012862	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,09	down
6024924	7344838	1732442	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,12	up
6044794	7344838	1732437	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,13	up
6085456	7344838	1732418	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,04	up
6175667	7344838	1732432	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,07	up
6188732	7344838	1732426	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,10	down
6205932	7344838	1732429	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,13	up
6212864	7344838	1732434	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,08	down
6222212	7344838	1732451	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,13	up
6237979	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,06	down
6255774	7344838	1732446	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,07	down
6256823	7344838	1732441	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,18	up
6264980	7344838	1732447	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,06	down
6270810	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,31	up
6283792	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,16	up
6350480	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,11	down
6370526	7344838	1732440	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,03	up
6402934	7344838	1732443	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,15	down
6403284	7344838	1732445	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,03	down
6422583	7344838	1732447	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,26	down
6427047	7344838	1732444	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,15	up
6449027	7344838	1732424	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,13	up
6449534	7344838	1732433	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,19	up
6458281	7344838	1732417	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,72	down
6481197	7344838	1732420	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,22	up
6490892	7344838	1732419	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,01	down
6497453	7344838	1732423	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,05	up
6552207	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,11	down
6555870	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,16	down
6559911	7344838	1732436	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,08	up
6622447	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,24	up
6648449	7344838	1732422	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,22	up
6705134	7344838	1732421	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,01	down
6712772	7344838	1732421	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	down
5630856	7260613	1524299	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,14	down
5689274	7260613	1524299	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,02	down
5716513	7260613	1524288	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,38	down
5763280	7260613	1524293	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,17	up
5833068	7260613	1524284	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,03	down
5854498	7260613	1524299	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,15	down
5889754	7260613	1524285	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,19	down
5985207	7260613	1524286	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,04	down
6195207	7260613	1524297	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,08	up
6256687	7260613	1524291	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,19	up
6302784	7260613	1524292	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,23	up
6377066	7260613	1524290	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,21	down
6390429	7260613	1524295	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,09	up
6464304	7260613	1524296	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,06	down
6607105	7260613	1524289	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,19	up
6627101	7260613	1524289	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	Mll5	311968	1,08	down
5791130	7358859	1766992	myomesin 1	Myom1	316740	1,13	down
6126388	7358859	1766997	myomesin 1	Myom1	316740	1,24	down
6375008	7358859	1766995	myomesin 1	Myom1	316740	1,03	up
6706408	7358859	1766991	myomesin 1	Myom1	316740	1,00	down

5755045	7323522	1679837	myosin binding protein C, slow type	Mybpc1	362867	2,19	down
5790225	7323522	1679850	myosin binding protein C, slow type	Mybpc1	362867	1,24	up
5795905	7323522	1679858	myosin binding protein C, slow type	Mybpc1	362867	1,25	down
5825852	7323522	1679846	myosin binding protein C, slow type	Mybpc1	362867	1,09	down
5828641	7323522	1679856	myosin binding protein C, slow type	Mybpc1	362867	1,01	up
5864357	7323522	1679831	myosin binding protein C, slow type	Mybpc1	362867	1,53	up
5874457	7323522	1679845	myosin binding protein C, slow type	Mybpc1	362867	1,12	up
5894129	7323522	1679855	myosin binding protein C, slow type	Mybpc1	362867	1,18	down
5924724	7323522	1679839	myosin binding protein C, slow type	Mybpc1	362867	1,36	down
5935608	7323522	1679877	myosin binding protein C, slow type	Mybpc1	362867	1,18	down
5940917	7323522	1679851	myosin binding protein C, slow type	Mybpc1	362867	1,54	up
5956855	7323522	1679841	myosin binding protein C, slow type	Mybpc1	362867	1,32	down
5967085	7323522	1679853	myosin binding protein C, slow type	Mybpc1	362867	1,06	up
5971246	7323522	1679866	myosin binding protein C, slow type	Mybpc1	362867	1,33	up
5976028	7323522	1679840	myosin binding protein C, slow type	Mybpc1	362867	1,67	down
6025511	7323522	1679861	myosin binding protein C, slow type	Mybpc1	362867	1,30	down
6031813	7323522	1679867	myosin binding protein C, slow type	Mybpc1	362867	1,62	down
6211336	7323522	1679848	myosin binding protein C, slow type	Mybpc1	362867	1,81	up
6212131	7323522	1679836	myosin binding protein C, slow type	Mybpc1	362867	1,00	down
6238054	7323522	1679862	myosin binding protein C, slow type	Mybpc1	362867	1,22	down
6323891	7323522	1679849	myosin binding protein C, slow type	Mybpc1	362867	1,07	down
6339386	7323522	1679834	myosin binding protein C, slow type	Mybpc1	362867	1,03	up
6395574	7323522	1679843	myosin binding protein C, slow type	Mybpc1	362867	1,36	up
6468298	7323522	1679829	myosin binding protein C, slow type	Mybpc1	362867	1,04	down
6470384	7323522	1679835	myosin binding protein C, slow type	Mybpc1	362867	1,26	up
6508975	7323522	1679857	myosin binding protein C, slow type	Mybpc1	362867	1,23	up
6521148	7323522	1679838	myosin binding protein C, slow type	Mybpc1	362867	1,05	up
6536820	7323522	1679852	myosin binding protein C, slow type	Mybpc1	362867	1,19	down
6620977	7323522	1679833	myosin binding protein C, slow type	Mybpc1	362867	1,47	down
6643972	7323522	1679844	myosin binding protein C, slow type	Mybpc1	362867	1,36	up
5651679	7337664	1713928	myosin IE	Myole	25484	1,18	up
5696790	7337664	1713940	myosin IE	Myole	25484	1,30	down
5768072	7337664	1713932	myosin IE	Myole	25484	1,02	down
5771257	7337664	1713927	myosin IE	Myole	25484	1,34	up
5916024	7337664	1713926	myosin IE	Myole	25484	1,33	up
5965239	7337664	1713936	myosin IE	Myole	25484	1,12	up
6035516	7337664	1713930	myosin IE	Myole	25484	1,27	up
6038124	7337664	1713924	myosin IE	Myole	25484	1,08	down
6049192	7337664	1713935	myosin IE	Myole	25484	1,05	up
6050172	7337664	1713944	myosin IE	Myole	25484	1,21	down
6093823	7337664	1713925	myosin IE	Myole	25484	1,33	down
6109481	7337664	1713923	myosin IE	Myole	25484	1,08	down
6147239	7337664	1713939	myosin IE	Myole	25484	1,40	up
6161865	7337664	1713938	myosin IE	Myole	25484	1,32	up
6172491	7337664	1713934	myosin IE	Myole	25484	1,04	up
6235853	7337664	1713941	myosin IE	Myole	25484	1,20	up
6295601	7337664	1713943	myosin IE	Myole	25484	1,03	up
6344754	7337664	1713941	myosin IE	Myole	25484	1,75	down
6449903	7337664	1713929	myosin IE	Myole	25484	1,07	up
6474452	7337664	1713920	myosin IE	Myole	25484	2,58	up
6477597	7337664	1713946	myosin IE	Myole	25484	1,13	down
6480562	7337664	1713922	myosin IE	Myole	25484	1,09	up
6497189	7337664	1713919	myosin IE	Myole	25484	1,34	down
6545403	7337664	1713931	myosin IE	Myole	25484	1,30	down
6579863	7337664	1713933	myosin IE	Myole	25484	1,11	up
6621205	7337664	1713942	myosin IE	Myole	25484	1,53	up

6635291	7337664	1713921	myosin IE	Myole	25484	1,25	up
6648203	7337664	1713937	myosin IE	Myole	25484	1,16	up
6685658	7337664	1713945	myosin IE	Myole	25484	1,15	down
6708567	7337664	1713946	myosin IE	Myole	25484	1,08	up
6730543	7337664	1713946	myosin IE	Myole	25484	1,31	up
5624547	7312903	1654092	myosin IF	Myolf	314654	1,15	up
5657254	7312903	1654115	myosin IF	Myolf	314654	1,13	up
5688974	7312903	1654090	myosin IF	Myolf	314654	1,56	up
5697942	7312903	1654100	myosin IF	Myolf	314654	1,07	up
5846623	7312903	1654108	myosin IF	Myolf	314654	1,04	up
5979120	7312903	1654109	myosin IF	Myolf	314654	1,17	down
5995077	7312903	1654094	myosin IF	Myolf	314654	1,01	up
5999871	7312903	1654086	myosin IF	Myolf	314654	1,55	down
6004714	7312903	1654110	myosin IF	Myolf	314654	1,07	up
6006121	7312903	1654089	myosin IF	Myolf	314654	1,83	down
6008579	7312903	1654104	myosin IF	Myolf	314654	1,26	down
6017900	7312903	1654106	myosin IF	Myolf	314654	1,08	up
6044566	7312903	1654088	myosin IF	Myolf	314654	1,76	down
6046775	7312903	1654087	myosin IF	Myolf	314654	1,29	down
6081706	7312903	1654118	myosin IF	Myolf	314654	1,09	up
6086048	7312903	1654102	myosin IF	Myolf	314654	1,26	up
6100879	7312903	1654099	myosin IF	Myolf	314654	1,15	up
6205897	7312903	1654103	myosin IF	Myolf	314654	1,14	up
6280709	7312903	1654112	myosin IF	Myolf	314654	2,04	down
6332698	7312903	1654096	myosin IF	Myolf	314654	1,42	up
6386386	7312903	1654113	myosin IF	Myolf	314654	1,22	down
6448075	7312903	1654105	myosin IF	Myolf	314654	1,15	up
6452001	7312903	1654111	myosin IF	Myolf	314654	1,20	up
6495600	7312903	1654115	myosin IF	Myolf	314654	1,83	down
6533429	7312903	1654115	myosin IF	Myolf	314654	1,06	up
6559689	7312903	1654118	myosin IF	Myolf	314654	1,21	down
6569551	7312903	1654113	myosin IF	Myolf	314654	1,25	down
6616707	7312903	1654114	myosin IF	Myolf	314654	1,22	down
6689813	7312903	1654091	myosin IF	Myolf	314654	1,19	up
6726930	7312903	1654116	myosin IF	Myolf	314654	1,12	down
6734354	7312903	1654093	myosin IF	Myolf	314654	1,92	down
5629953	7143988	1235994	myosin IXb	Myo9b	25486	1,04	down
5634956	7143988	1235976	myosin IXb	Myo9b	25486	1,40	down
5643690	7143988	1235999	myosin IXb	Myo9b	25486	1,03	up
5700799	7143988	1235962	myosin IXb	Myo9b	25486	1,82	down
5704787	7143988	1235971	myosin IXb	Myo9b	25486	1,22	down
5726976	7143988	1235963	myosin IXb	Myo9b	25486	1,00	up
5737306	7143988	1235998	myosin IXb	Myo9b	25486	1,57	down
5737589	7143988	1235983	myosin IXb	Myo9b	25486	1,46	down
5755863	7143988	1235996	myosin IXb	Myo9b	25486	1,00	up
5774097	7143988	1235979	myosin IXb	Myo9b	25486	1,31	up
5819501	7143988	1235992	myosin IXb	Myo9b	25486	1,16	up
5856007	7143988	1235995	myosin IXb	Myo9b	25486	1,11	up
5871497	7143988	1235984	myosin IXb	Myo9b	25486	1,12	up
5871731	7143988	1235991	myosin IXb	Myo9b	25486	1,28	up
5872098	7143988	1235975	myosin IXb	Myo9b	25486	1,18	up
5924104	7143988	1235990	myosin IXb	Myo9b	25486	1,21	up
5956255	7143988	1235997	myosin IXb	Myo9b	25486	1,27	down
6063306	7143988	1235972	myosin IXb	Myo9b	25486	1,02	up
6070424	7143988	1235985	myosin IXb	Myo9b	25486	1,09	down
6080379	7143988	1235980	myosin IXb	Myo9b	25486	1,07	down

6081459	7143988	1235993	myosin IXb	Myo9b	25486	1,09	up
6083350	7143988	1235989	myosin IXb	Myo9b	25486	1,78	down
6088170	7143988	1236001	myosin IXb	Myo9b	25486	1,81	down
6100258	7143988	1235965	myosin IXb	Myo9b	25486	1,17	down
6149399	7143988	1235967	myosin IXb	Myo9b	25486	1,25	up
6150476	7143988	1235968	myosin IXb	Myo9b	25486	1,22	up
6154771	7143988	1235964	myosin IXb	Myo9b	25486	1,07	down
6183899	7143988	1235977	myosin IXb	Myo9b	25486	1,22	up
6197517	7143988	1235988	myosin IXb	Myo9b	25486	1,02	down
6248134	7143988	1235962	myosin IXb	Myo9b	25486	1,06	up
6259469	7143988	1235969	myosin IXb	Myo9b	25486	1,36	up
6269045	7143988	1235986	myosin IXb	Myo9b	25486	1,12	up
6329253	7143988	1235973	myosin IXb	Myo9b	25486	1,13	up
6374900	7143988	1236000	myosin IXb	Myo9b	25486	1,05	up
6397498	7143988	1235970	myosin IXb	Myo9b	25486	1,08	up
6431626	7143988	1235985	myosin IXb	Myo9b	25486	2,18	down
6490039	7143988	1235981	myosin IXb	Myo9b	25486	1,10	up
6530125	7143988	1235982	myosin IXb	Myo9b	25486	1,01	down
6576534	7143988	1235966	myosin IXb	Myo9b	25486	1,01	down
6576781	7143988	1235978	myosin IXb	Myo9b	25486	1,18	up
6588101	7143988	1235993	myosin IXb	Myo9b	25486	1,03	down
6589994	7143988	1235974	myosin IXb	Myo9b	25486	1,29	up
6689755	7143988	1235987	myosin IXb	Myo9b	25486	1,11	up
5654810	7163002	1282276	myosin regulatory light chain interacting protein	Mylip	306825	1,05	down
5805087	7163002	1282278	myosin regulatory light chain interacting protein	Mylip	306825	1,13	up
5851807	7163002	1282280	myosin regulatory light chain interacting protein	Mylip	306825	1,34	down
5904339	7163002	1282281	myosin regulatory light chain interacting protein	Mylip	306825	1,21	up
6037059	7163002	1282284	myosin regulatory light chain interacting protein	Mylip	306825	1,04	up
6148636	7163002	1282284	myosin regulatory light chain interacting protein	Mylip	306825	2,46	down
6531460	7163002	1282277	myosin regulatory light chain interacting protein	Mylip	306825	1,01	down
6549085	7163002	1282279	myosin regulatory light chain interacting protein	Mylip	306825	1,47	down
6596673	7163002	1282277	myosin regulatory light chain interacting protein	Mylip	306825	1,07	down
6639576	7163002	1282275	myosin regulatory light chain interacting protein	Mylip	306825	1,13	down
6710545	7163002	1282277	myosin regulatory light chain interacting protein	Mylip	306825	1,77	up
6724332	7163002	1282284	myosin regulatory light chain interacting protein	Mylip	306825	1,21	down
5627733	7338040	1714980	myosin Va	Myo5a	25017	1,05	down
5649354	7338040	1714978	myosin Va	Myo5a	25017	1,02	up
5654822	7338040	1714988	myosin Va	Myo5a	25017	1,01	up
5760128	7338040	1714969	myosin Va	Myo5a	25017	1,15	down
5771595	7338040	1714961	myosin Va	Myo5a	25017	1,00	up
5788970	7338040	1714965	myosin Va	Myo5a	25017	1,02	up
5852735	7338040	1714986	myosin Va	Myo5a	25017	1,24	down
5859152	7338040	1714977	myosin Va	Myo5a	25017	1,12	up
5866100	7338040	1714985	myosin Va	Myo5a	25017	1,35	up
5874722	7338040	1714955	myosin Va	Myo5a	25017	1,01	down
5886886	7338040	1714982	myosin Va	Myo5a	25017	1,07	down
5924197	7338040	1714973	myosin Va	Myo5a	25017	1,08	up
5945867	7338040	1714976	myosin Va	Myo5a	25017	1,12	up
5948877	7338040	1714989	myosin Va	Myo5a	25017	1,02	down
6101031	7338040	1714981	myosin Va	Myo5a	25017	1,00	up
6103860	7338040	1714991	myosin Va	Myo5a	25017	1,08	up
6188329	7338040	1714987	myosin Va	Myo5a	25017	1,19	down
6215608	7338040	1714958	myosin Va	Myo5a	25017	1,19	up
6224318	7338040	1714967	myosin Va	Myo5a	25017	1,08	down
6234467	7338040	1714960	myosin Va	Myo5a	25017	1,13	up
6238675	7338040	1714972	myosin Va	Myo5a	25017	1,08	down

6239107	7338040	1714957	myosin Va	Myo5a	25017	1,17	up
6239441	7338040	1714974	myosin Va	Myo5a	25017	1,02	up
6268197	7338040	1714962	myosin Va	Myo5a	25017	1,15	up
6329962	7338040	1714979	myosin Va	Myo5a	25017	1,39	down
6331973	7338040	1714985	myosin Va	Myo5a	25017	1,19	down
6350686	7338040	1714963	myosin Va	Myo5a	25017	2,06	up
6411197	7338040	1714966	myosin Va	Myo5a	25017	1,06	up
6423203	7338040	1714968	myosin Va	Myo5a	25017	1,24	down
6446119	7338040	1714990	myosin Va	Myo5a	25017	1,39	down
6465147	7338040	1714975	myosin Va	Myo5a	25017	1,74	down
6506936	7338040	1714983	myosin Va	Myo5a	25017	1,27	down
6589682	7338040	1714971	myosin Va	Myo5a	25017	1,02	up
6625325	7338040	1714959	myosin Va	Myo5a	25017	1,04	up
6639027	7338040	1714964	myosin Va	Myo5a	25017	1,09	up
6678284	7338040	1714984	myosin Va	Myo5a	25017	1,37	down
6709554	7338040	1714956	myosin Va	Myo5a	25017	1,11	up
6712420	7338040	1714970	myosin Va	Myo5a	25017	1,15	down
5923625	7174149	1310538	myosin VIIIb	Myo7b	498834	1,20	down
6482745	7174149	1310539	myosin VIIIb	Myo7b	498834	1,06	down
5620532	7153875	1259791	myosin XVI	Myo16	192253	1,56	up
5623713	7153875	1259792	myosin XVI	Myo16	192253	1,29	up
5638656	7153875	1259788	myosin XVI	Myo16	192253	1,05	down
5655722	7153875	1259787	myosin XVI	Myo16	192253	1,08	up
5657875	7153875	1259772	myosin XVI	Myo16	192253	1,50	down
5685388	7153875	1259780	myosin XVI	Myo16	192253	1,18	down
5720731	7153875	1259781	myosin XVI	Myo16	192253	1,21	down
5731177	7153875	1259800	myosin XVI	Myo16	192253	1,25	up
5739100	7153875	1259776	myosin XVI	Myo16	192253	1,54	up
5746886	7153875	1259799	myosin XVI	Myo16	192253	1,01	down
5754258	7153875	1259774	myosin XVI	Myo16	192253	1,07	down
5793451	7153875	1259775	myosin XVI	Myo16	192253	1,56	up
5849202	7153875	1259777	myosin XVI	Myo16	192253	1,05	down
5889465	7153875	1259783	myosin XVI	Myo16	192253	1,10	down
5904292	7153875	1259797	myosin XVI	Myo16	192253	1,30	up
5965477	7153875	1259795	myosin XVI	Myo16	192253	1,11	up
5986517	7153875	1259775	myosin XVI	Myo16	192253	1,62	down
5995193	7153875	1259773	myosin XVI	Myo16	192253	1,05	up
6044819	7153875	1259784	myosin XVI	Myo16	192253	1,46	down
6113699	7153875	1259803	myosin XVI	Myo16	192253	1,18	up
6123554	7153875	1259798	myosin XVI	Myo16	192253	1,27	up
6129532	7153875	1259771	myosin XVI	Myo16	192253	2,07	up
6144837	7153875	1259805	myosin XVI	Myo16	192253	1,25	down
6145417	7153875	1259807	myosin XVI	Myo16	192253	1,01	down
6191981	7153875	1259801	myosin XVI	Myo16	192253	1,24	up
6192688	7153875	1259775	myosin XVI	Myo16	192253	1,63	down
6210125	7153875	1259799	myosin XVI	Myo16	192253	1,13	up
6215582	7153875	1259772	myosin XVI	Myo16	192253	1,44	up
6228439	7153875	1259790	myosin XVI	Myo16	192253	1,09	up
6292671	7153875	1259793	myosin XVI	Myo16	192253	1,24	down
6292817	7153875	1259778	myosin XVI	Myo16	192253	1,05	down
6300779	7153875	1259789	myosin XVI	Myo16	192253	1,73	down
6337793	7153875	1259771	myosin XVI	Myo16	192253	1,61	down
6347495	7153875	1259774	myosin XVI	Myo16	192253	1,02	up
6353839	7153875	1259771	myosin XVI	Myo16	192253	1,25	down
6387006	7153875	1259779	myosin XVI	Myo16	192253	1,48	down
6409700	7153875	1259775	myosin XVI	Myo16	192253	1,62	down

6446187	7153875	1259796	myosin XVI	Myo16	192253	1,13	up
6447082	7153875	1259786	myosin XVI	Myo16	192253	1,03	up
6447165	7153875	1259785	myosin XVI	Myo16	192253	1,03	up
6525290	7153875	1259806	myosin XVI	Myo16	192253	1,60	up
6556426	7153875	1259794	myosin XVI	Myo16	192253	1,53	up
6627582	7153875	1259782	myosin XVI	Myo16	192253	2,00	down
6633210	7153875	1259796	myosin XVI	Myo16	192253	1,03	down
6656394	7153875	1259804	myosin XVI	Myo16	192253	1,29	up
6725003	7153875	1259775	myosin XVI	Myo16	192253	1,11	up
6739091	7153875	1259802	myosin XVI	Myo16	192253	1,30	up
5684806	7064468	1042343	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,38	up
5742541	7064468	1042351	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,52	down
5798434	7064468	1042347	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,64	down
5852558	7064468	1042346	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,10	up
5949871	7064468	1042337	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,02	up
5958666	7064468	1042348	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,49	down
5985381	7064468	1042360	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,10	down
5996827	7064468	1042359	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,30	down
5997561	7064468	1042357	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,49	up
6013757	7064468	1042352	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,53	up
6047053	7064468	1042338	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,16	up
6061410	7064468	1042335	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,58	up
6247741	7064468	1042342	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,13	up
6262359	7064468	1042350	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,06	up
6270886	7064468	1042333	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,40	up
6280724	7064468	1042361	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,17	up
6314524	7064468	1042336	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,02	up
6336265	7064468	1042356	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,10	up
6413878	7064468	1042339	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,07	up
6453717	7064468	1042362	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,05	up
6577307	7064468	1042353	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,55	down
6625160	7064468	1042345	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,10	down
6653197	7064468	1042340	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,39	up
6713591	7064468	1042344	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,25	down
6720390	7064468	1042355	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,10	down
6731705	7064468	1042341	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,07	down
6746057	7064468	1042375	myosin, heavy chain 11, smooth muscle	Myh11	24582	2,37	up
5633829	7050710	1011184	myosin, heavy chain 14	Myh14	308572	1,09	up
5644167	7050710	1011202	myosin, heavy chain 14	Myh14	308572	1,06	down
5645622	7050710	1011170	myosin, heavy chain 14	Myh14	308572	1,06	up
5647911	7050710	1011175	myosin, heavy chain 14	Myh14	308572	1,64	up
5694408	7050710	1011194	myosin, heavy chain 14	Myh14	308572	1,28	down
5716105	7050710	1011196	myosin, heavy chain 14	Myh14	308572	1,74	up
5803520	7050710	1011192	myosin, heavy chain 14	Myh14	308572	1,28	down
5907264	7050710	1011201	myosin, heavy chain 14	Myh14	308572	1,00	up
6001466	7050710	1011199	myosin, heavy chain 14	Myh14	308572	1,31	up
6021291	7050710	1011167	myosin, heavy chain 14	Myh14	308572	2,72	down
6026678	7050710	1011171	myosin, heavy chain 14	Myh14	308572	1,20	up
6126171	7050710	1011211	myosin, heavy chain 14	Myh14	308572	1,03	up
6131028	7050710	1011193	myosin, heavy chain 14	Myh14	308572	1,07	down
6174980	7050710	1011197	myosin, heavy chain 14	Myh14	308572	1,30	up
6189050	7050710	1011198	myosin, heavy chain 14	Myh14	308572	1,56	down
6203864	7050710	1011203	myosin, heavy chain 14	Myh14	308572	1,23	down
6213955	7050710	1011176	myosin, heavy chain 14	Myh14	308572	1,04	up
6261033	7050710	1011177	myosin, heavy chain 14	Myh14	308572	1,16	up
6293646	7050710	1011185	myosin, heavy chain 14	Myh14	308572	1,39	down

6309005	7050710	1011174	myosin, heavy chain 14	Myh14	308572	1,01	up
6321332	7050710	1011187	myosin, heavy chain 14	Myh14	308572	1,23	up
6353035	7050710	1011172	myosin, heavy chain 14	Myh14	308572	1,38	up
6357260	7050710	1011182	myosin, heavy chain 14	Myh14	308572	1,67	down
6376231	7050710	1011186	myosin, heavy chain 14	Myh14	308572	2,59	down
6484780	7050710	1011207	myosin, heavy chain 14	Myh14	308572	1,53	up
6514741	7050710	1011168	myosin, heavy chain 14	Myh14	308572	1,22	down
6519851	7050710	1011204	myosin, heavy chain 14	Myh14	308572	1,22	up
6540598	7050710	1011205	myosin, heavy chain 14	Myh14	308572	1,89	down
6548359	7050710	1011181	myosin, heavy chain 14	Myh14	308572	1,09	up
6579962	7050710	1011178	myosin, heavy chain 14	Myh14	308572	1,03	up
6589762	7050710	1011206	myosin, heavy chain 14	Myh14	308572	1,84	down
6634491	7050710	1011190	myosin, heavy chain 14	Myh14	308572	1,08	up
6695173	7050710	1011180	myosin, heavy chain 14	Myh14	308572	1,05	down
6706767	7050710	1011191	myosin, heavy chain 14	Myh14	308572	1,08	up
6727173	7050710	1011188	myosin, heavy chain 14	Myh14	308572	1,17	down
6732247	7050710	1011169	myosin, heavy chain 14	Myh14	308572	1,17	up
6732895	7050710	1011195	myosin, heavy chain 14	Myh14	308572	1,05	down
6743038	7050710	1011179	myosin, heavy chain 14	Myh14	308572	1,03	down
5649094	7068721	1052929	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,99	down
5678531	7068721	1052961	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,13	down
5758863	7068721	1052955	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,01	up
5800461	7068721	1052931	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,33	down
5841751	7068721	1052924	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,52	up
5876660	7068721	1052945	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,10	up
5886871	7068721	1052936	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,02	up
5899381	7068721	1052941	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,02	up
5943369	7068721	1052960	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,12	down
5958831	7068721	1052952	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	2,44	down
6100996	7068721	1052959	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,34	down
6110248	7068721	1052940	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,10	up
6120021	7068721	1052962	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,01	down
6125210	7068721	1052951	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,03	up
6185404	7068721	1052925	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,13	up
6197636	7068721	1052928	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,43	down
6197721	7068721	1052935	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,07	down
6200619	7068721	1052933	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,05	up
6245032	7068721	1052948	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,61	down
6282040	7068721	1052943	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,35	down
6323708	7068721	1052944	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,43	up
6327538	7068721	1052947	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,07	down
6335298	7068721	1052932	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,03	down
6359662	7068721	1052939	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,04	down
6372804	7068721	1052958	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,21	up
6375437	7068721	1052938	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,13	down
6412000	7068721	1052930	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,11	up
6416122	7068721	1052942	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,64	down
6425152	7068721	1052953	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,26	down
6440068	7068721	1052950	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,08	down
6454405	7068721	1052927	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,12	down
6456567	7068721	1052954	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,14	up
6522559	7068721	1052957	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,16	up
6549347	7068721	1052956	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,10	up
6567806	7068721	1052926	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,04	up
6621804	7068721	1052937	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,06	down
6629516	7068721	1052938	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,27	up

6630111	7068721	1052946	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,03	up
6643299	7068721	1052949	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,16	down
6662061	7068721	1052963	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,15	up
6732979	7068721	1052934	myosin, heavy chain 3, skeletal muscle, embryonic	Myh3	24583	1,68	down
5621226	7138120	1221398	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,19	up
5653180	7138120	1221400	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,23	down
5657539	7138120	1221417	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,08	up
5667624	7138120	1221410	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,17	up
5667646	7138120	1221415	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,06	up
5740219	7138120	1221404	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,14	down
5761778	7138120	1221406	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,05	up
5778776	7138120	1221416	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,05	down
5821346	7138120	1221400	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	up
5831224	7138120	1221423	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,14	down
5850100	7138120	1221408	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,33	down
5864937	7138120	1221429	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,26	up
5864982	7138120	1221426	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,09	down
5866994	7138120	1221411	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	down
5867264	7138120	1221432	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,07	down
5914494	7138120	1221431	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,61	down
5926496	7138120	1221428	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,85	up
5962893	7138120	1221401	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,27	up
6034163	7138120	1221399	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,08	up
6038599	7138120	1221420	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,10	down
6118701	7138120	1221409	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,36	down
6120008	7138120	1221412	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,16	up
6172283	7138120	1221413	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,05	down
6215322	7138120	1221403	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,06	down
6223973	7138120	1221433	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,03	down
6257053	7138120	1221425	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	down
6263428	7138120	1221407	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,18	down
6271786	7138120	1221427	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,23	down
6326032	7138120	1221422	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	2,02	up
6466448	7138120	1221424	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,93	up
6468802	7138120	1221418	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,08	up
6472824	7138120	1221419	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,28	up
6498672	7138120	1221402	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	2,76	down
6526220	7138120	1221405	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,29	up
6537512	7138120	1221430	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,19	down
6594441	7138120	1221397	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,12	up
6692782	7138120	1221414	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,18	down
6703908	7138120	1221421	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,74	up
5666907	7138131	1221459	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,14	up
5675427	7138131	1221482	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,00	up
5741809	7138131	1221486	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,02	down
5775979	7138131	1221477	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,63	down
5814561	7138131	1221461	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,29	up
5907317	7138131	1221470	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,27	down
5917597	7138131	1221493	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,09	down
5920935	7138131	1221490	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,01	up
5928215	7138131	1221496	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,09	down
5945371	7138131	1221467	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,24	down
5975127	7138131	1221469	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,95	down
5991924	7138131	1221475	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,08	down
6012814	7138131	1221489	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,30	up
6015781	7138131	1221492	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,66	up

6064763	7138131	1221474	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,04	up
6076509	7138131	1221471	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,07	down
6091557	7138131	1221465	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,15	down
6180960	7138131	1221462	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,68	up
6188949	7138131	1221479	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,01	up
6190330	7138131	1221494	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,09	up
6299143	7138131	1221464	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	2,30	up
6317949	7138131	1221487	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,73	down
6335263	7138131	1221485	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,05	down
6336314	7138131	1221488	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,65	up
6340036	7138131	1221495	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,06	down
6386153	7138131	1221485	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,04	up
6412708	7138131	1221481	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,03	up
6421636	7138131	1221473	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,12	up
6438593	7138131	1221483	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,03	up
6458367	7138131	1221472	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,27	up
6473376	7138131	1221468	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,07	down
6474035	7138131	1221460	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,04	down
6564027	7138131	1221466	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,34	down
6564156	7138131	1221478	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,01	up
6564365	7138131	1221476	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,34	down
6604672	7138131	1221484	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,04	down
6614495	7138131	1221497	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,37	down
6626280	7138131	1221480	myosin, heavy chain 7, cardiac muscle, beta	Myh7	29557	1,37	down
5783180	7068853	1053138	myosin, heavy chain 8, skeletal muscle, perinatal	Myh8	252942	1,33	down
5878315	7068853	1053134	myosin, heavy chain 8, skeletal muscle, perinatal	Myh8	252942	1,00	up
5947657	7068853	1053135	myosin, heavy chain 8, skeletal muscle, perinatal	Myh8	252942	1,01	up
6198137	7068853	1053136	myosin, heavy chain 8, skeletal muscle, perinatal	Myh8	252942	1,08	up
6281558	7068853	1053133	myosin, heavy chain 8, skeletal muscle, perinatal	Myh8	252942	1,08	up
6588944	7068853	1053132	myosin, heavy chain 8, skeletal muscle, perinatal	Myh8	252942	1,37	down
6638674	7068853	1053137	myosin, heavy chain 8, skeletal muscle, perinatal	Myh8	252942	1,24	up
5631447	7329513	1694282	myosin, heavy chain 9, non-muscle	Myh9	25745	1,03	down
5642272	7329513	1694267	myosin, heavy chain 9, non-muscle	Myh9	25745	1,68	down
5670927	7329513	1694268	myosin, heavy chain 9, non-muscle	Myh9	25745	1,11	up
5678228	7329513	1694255	myosin, heavy chain 9, non-muscle	Myh9	25745	1,02	down
5679739	7329513	1694287	myosin, heavy chain 9, non-muscle	Myh9	25745	1,14	down
5692106	7329513	1694261	myosin, heavy chain 9, non-muscle	Myh9	25745	1,03	up
5723316	7329513	1694273	myosin, heavy chain 9, non-muscle	Myh9	25745	1,22	up
5737441	7329513	1694269	myosin, heavy chain 9, non-muscle	Myh9	25745	1,08	down
5781796	7329513	1694290	myosin, heavy chain 9, non-muscle	Myh9	25745	1,11	down
5848690	7329513	1694279	myosin, heavy chain 9, non-muscle	Myh9	25745	1,15	up
5908032	7329513	1694293	myosin, heavy chain 9, non-muscle	Myh9	25745	1,35	down
5961575	7329513	1694281	myosin, heavy chain 9, non-muscle	Myh9	25745	1,04	up
5965451	7329513	1694262	myosin, heavy chain 9, non-muscle	Myh9	25745	1,12	down
5968797	7329513	1694295	myosin, heavy chain 9, non-muscle	Myh9	25745	1,03	up
6010644	7329513	1694265	myosin, heavy chain 9, non-muscle	Myh9	25745	1,08	down
6037383	7329513	1694254	myosin, heavy chain 9, non-muscle	Myh9	25745	1,02	up
6058777	7329513	1694256	myosin, heavy chain 9, non-muscle	Myh9	25745	1,07	up
6130674	7329513	1694272	myosin, heavy chain 9, non-muscle	Myh9	25745	1,57	up
6188307	7329513	1694280	myosin, heavy chain 9, non-muscle	Myh9	25745	1,16	up
6194346	7329513	1694275	myosin, heavy chain 9, non-muscle	Myh9	25745	1,41	up
6200199	7329513	1694291	myosin, heavy chain 9, non-muscle	Myh9	25745	2,15	up
6231030	7329513	1694283	myosin, heavy chain 9, non-muscle	Myh9	25745	1,10	down
6238231	7329513	1694292	myosin, heavy chain 9, non-muscle	Myh9	25745	1,07	up
6268883	7329513	1694270	myosin, heavy chain 9, non-muscle	Myh9	25745	1,32	down
6281166	7329513	1694289	myosin, heavy chain 9, non-muscle	Myh9	25745	1,31	down

6320159	7329513	1694286	myosin, heavy chain 9, non-muscle	Myh9	25745	1,04	up
6371851	7329513	1694291	myosin, heavy chain 9, non-muscle	Myh9	25745	1,03	down
6381875	7329513	1694288	myosin, heavy chain 9, non-muscle	Myh9	25745	1,39	up
6396027	7329513	1694274	myosin, heavy chain 9, non-muscle	Myh9	25745	1,09	up
6443558	7329513	1694264	myosin, heavy chain 9, non-muscle	Myh9	25745	1,18	down
6453520	7329513	1694271	myosin, heavy chain 9, non-muscle	Myh9	25745	1,11	up
6473428	7329513	1694276	myosin, heavy chain 9, non-muscle	Myh9	25745	1,19	down
6513326	7329513	1694257	myosin, heavy chain 9, non-muscle	Myh9	25745	1,05	down
6516300	7329513	1694266	myosin, heavy chain 9, non-muscle	Myh9	25745	1,16	down
6587697	7329513	1694260	myosin, heavy chain 9, non-muscle	Myh9	25745	1,04	down
6599673	7329513	1694259	myosin, heavy chain 9, non-muscle	Myh9	25745	1,24	down
6618605	7329513	1694263	myosin, heavy chain 9, non-muscle	Myh9	25745	1,21	up
6621748	7329513	1694285	myosin, heavy chain 9, non-muscle	Myh9	25745	1,05	up
6634163	7329513	1694294	myosin, heavy chain 9, non-muscle	Myh9	25745	1,04	up
6651596	7329513	1694284	myosin, heavy chain 9, non-muscle	Myh9	25745	1,23	down
6654834	7329513	1694258	myosin, heavy chain 9, non-muscle	Myh9	25745	1,27	down
6683527	7329513	1694278	myosin, heavy chain 9, non-muscle	Myh9	25745	1,10	down
6700966	7329513	1694281	myosin, heavy chain 9, non-muscle	Myh9	25745	1,05	up
5737109	7234529	1459639	myosin, light chain 9, regulatory	Myl9	296313	1,11	up
5811136	7234529	1459640	myosin, light chain 9, regulatory	Myl9	296313	2,30	down
5821165	7234529	1459641	myosin, light chain 9, regulatory	Myl9	296313	1,21	up
6507004	7234529	1459638	myosin, light chain 9, regulatory	Myl9	296313	1,04	up
6712745	7234529	1459642	myosin, light chain 9, regulatory	Myl9	296313	1,02	down
5835980	7132487	1207316	myotubularin related protein 6	Mtmr6	305935	1,06	up
5955924	7132487	1207323	myotubularin related protein 6	Mtmr6	305935	1,20	up
6037992	7132487	1207324	myotubularin related protein 6	Mtmr6	305935	1,21	up
6053269	7132487	1207310	myotubularin related protein 6	Mtmr6	305935	1,01	down
6055675	7132487	1207308	myotubularin related protein 6	Mtmr6	305935	1,13	up
6326610	7132487	1207322	myotubularin related protein 6	Mtmr6	305935	1,16	up
6363504	7132487	1207322	myotubularin related protein 6	Mtmr6	305935	1,06	up
6367775	7132487	1207312	myotubularin related protein 6	Mtmr6	305935	1,36	down
6370100	7132487	1207320	myotubularin related protein 6	Mtmr6	305935	1,10	down
6444905	7132487	1207325	myotubularin related protein 6	Mtmr6	305935	1,14	up
6456943	7132487	1207321	myotubularin related protein 6	Mtmr6	305935	2,20	down
6475254	7132487	1207319	myotubularin related protein 6	Mtmr6	305935	1,00	up
6550346	7132487	1207311	myotubularin related protein 6	Mtmr6	305935	1,01	up
6628753	7132487	1207318	myotubularin related protein 6	Mtmr6	305935	1,09	up
6689369	7132487	1207325	myotubularin related protein 6	Mtmr6	305935	1,09	down
6734909	7132487	1207313	myotubularin related protein 6	Mtmr6	305935	1,09	down
5636597	7176177	1315136	myozenin 3	Myoz3	689274	1,17	up
5861353	7092176	1108318	myxovirus (influenza virus) resistance 1	Mx1	24575	2,19	up
5868485	7092176	1108316	myxovirus (influenza virus) resistance 1	Mx1	24575	1,06	down
5897638	7092176	1108321	myxovirus (influenza virus) resistance 1	Mx1	24575	1,84	down
5921892	7092176	1108312	myxovirus (influenza virus) resistance 1	Mx1	24575	1,09	up
6002822	7092176	1108310	myxovirus (influenza virus) resistance 1	Mx1	24575	1,27	down
6004228	7092176	1108323	myxovirus (influenza virus) resistance 1	Mx1	24575	2,92	down
6009201	7092176	1108315	myxovirus (influenza virus) resistance 1	Mx1	24575	1,11	up
6023507	7092176	1108322	myxovirus (influenza virus) resistance 1	Mx1	24575	1,39	up
6099951	7092176	1108317	myxovirus (influenza virus) resistance 1	Mx1	24575	2,19	up
6124690	7092176	1108311	myxovirus (influenza virus) resistance 1	Mx1	24575	1,48	down
6197122	7092176	1108320	myxovirus (influenza virus) resistance 1	Mx1	24575	1,83	up
6262990	7092176	1108316	myxovirus (influenza virus) resistance 1	Mx1	24575	1,03	up
6337819	7092176	1108313	myxovirus (influenza virus) resistance 1	Mx1	24575	1,13	down
6341613	7092176	1108319	myxovirus (influenza virus) resistance 1	Mx1	24575	3,16	down
6452334	7092176	1108314	myxovirus (influenza virus) resistance 1	Mx1	24575	1,48	up
6468573	7092176	1108323	myxovirus (influenza virus) resistance 1	Mx1	24575	1,82	down

5627139	7087207	1095967	myxovirus (influenza virus) resistance 2	Mx2	286918	1,87	down
5636952	7087207	1095970	myxovirus (influenza virus) resistance 2	Mx2	286918	1,28	down
5641766	7087207	1095973	myxovirus (influenza virus) resistance 2	Mx2	286918	1,45	up
5645006	7087207	1095966	myxovirus (influenza virus) resistance 2	Mx2	286918	4,50	down
5675888	7087207	1095973	myxovirus (influenza virus) resistance 2	Mx2	286918	1,08	down
5740960	7087207	1095976	myxovirus (influenza virus) resistance 2	Mx2	286918	1,14	down
5901301	7087207	1095972	myxovirus (influenza virus) resistance 2	Mx2	286918	6,73	down
5942659	7087207	1095977	myxovirus (influenza virus) resistance 2	Mx2	286918	4,95	down
6223794	7087207	1095971	myxovirus (influenza virus) resistance 2	Mx2	286918	1,28	up
6427645	7087207	1095968	myxovirus (influenza virus) resistance 2	Mx2	286918	1,06	up
6438386	7087207	1095975	myxovirus (influenza virus) resistance 2	Mx2	286918	3,17	up
6579518	7087207	1095969	myxovirus (influenza virus) resistance 2	Mx2	286918	2,00	down
6690333	7087207	1095974	myxovirus (influenza virus) resistance 2	Mx2	286918	2,21	up
5654783	7065110	1044142	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,26	up
5804924	7065110	1044144	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,75	down
5825837	7065110	1044153	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,28	down
5863166	7065110	1044150	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,03	down
5879718	7065110	1044153	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,94	down
6005730	7065110	1044147	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,42	down
6170509	7065110	1044142	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,75	up
6408148	7065110	1044142	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,70	down
6479498	7065110	1044145	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,53	up
6518197	7065110	1044146	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,15	up
6538882	7065110	1044152	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,23	up
6583550	7065110	1044142	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,14	up
6625117	7065110	1044151	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,12	down
6662838	7065110	1044148	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	2,29	up
6724448	7065110	1044153	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Nagpa	360476	1,35	up
5836535	7144389	1236778	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 13 pseudogene	Ndufa13-ps	290671	1,07	up
5710100	7236726	1465054	NADPH oxidase activator 1	Noxa1	311793	1,03	up
5821062	7236726	1465062	NADPH oxidase activator 1	Noxa1	311793	1,17	up
5865413	7236726	1465061	NADPH oxidase activator 1	Noxa1	311793	1,26	down
6093034	7236726	1465056	NADPH oxidase activator 1	Noxa1	311793	1,04	up
6098797	7236726	1465056	NADPH oxidase activator 1	Noxa1	311793	1,21	down
6145086	7236726	1465057	NADPH oxidase activator 1	Noxa1	311793	1,51	down
6175400	7236726	1465063	NADPH oxidase activator 1	Noxa1	311793	2,13	down
6346916	7236726	1465053	NADPH oxidase activator 1	Noxa1	311793	1,78	up
6401530	7236726	1465059	NADPH oxidase activator 1	Noxa1	311793	1,27	up
6464411	7236726	1465057	NADPH oxidase activator 1	Noxa1	311793	1,55	down
6475435	7236726	1465065	NADPH oxidase activator 1	Noxa1	311793	1,15	up
6487537	7236726	1465060	NADPH oxidase activator 1	Noxa1	311793	1,43	up
6622598	7236726	1465055	NADPH oxidase activator 1	Noxa1	311793	1,03	up
6709275	7236726	1465065	NADPH oxidase activator 1	Noxa1	311793	1,54	up
5714547	7278272	1568776	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,08	down
5733157	7278272	1568784	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,05	up
5774803	7278272	1568783	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,18	up
5783654	7278272	1568775	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,05	up
5811169	7278272	1568767	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,40	up
5952201	7278272	1568793	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,21	down
5963440	7278272	1568792	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,39	down
6002016	7278272	1568774	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,39	down
6015729	7278272	1568782	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,01	up
6018863	7278272	1568787	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,10	down
6099005	7278272	1568779	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,18	down
6136157	7278272	1568781	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,02	up
6142922	7278272	1568785	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,20	down

6185916	7278272	1568791	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,36	up
6206898	7278272	1568765	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	2,05	up
6225231	7278272	1568771	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,24	up
6227575	7278272	1568763	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,47	up
6238308	7278272	1568773	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,08	down
6255016	7278272	1568790	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,13	down
6341075	7278272	1568794	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,14	up
6445500	7278272	1568780	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,03	up
6453810	7278272	1568778	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,47	down
6455817	7278272	1568765	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,09	up
6467943	7278272	1568769	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,01	down
6469031	7278272	1568764	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,25	up
6487362	7278272	1568786	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,05	down
6488571	7278272	1568765	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,21	down
6565026	7278272	1568766	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,23	up
6644941	7278272	1568789	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,31	down
6658148	7278272	1568770	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,03	down
6674762	7278272	1568777	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,17	up
6682558	7278272	1568788	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,12	down
6693493	7278272	1568772	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,08	down
6726620	7278272	1568768	nardilysin 1 (N-arginine dibasic convertase)	Nrd1	25499	1,28	up
5642065	7225455	1435745	nasal embryonic LHRH factor	Nelf	117536	2,17	down
5650544	7225455	1435750	nasal embryonic LHRH factor	Nelf	117536	1,04	down
5684589	7225455	1435748	nasal embryonic LHRH factor	Nelf	117536	1,80	up
5735205	7225455	1435747	nasal embryonic LHRH factor	Nelf	117536	1,20	up
5751835	7225455	1435737	nasal embryonic LHRH factor	Nelf	117536	1,04	down
5823034	7225455	1435751	nasal embryonic LHRH factor	Nelf	117536	1,01	down
6004694	7225455	1435749	nasal embryonic LHRH factor	Nelf	117536	1,06	up
6015326	7225455	1435743	nasal embryonic LHRH factor	Nelf	117536	1,00	up
6046120	7225455	1435744	nasal embryonic LHRH factor	Nelf	117536	1,65	down
6059358	7225455	1435736	nasal embryonic LHRH factor	Nelf	117536	1,21	up
6093347	7225455	1435741	nasal embryonic LHRH factor	Nelf	117536	1,09	up
6094013	7225455	1435742	nasal embryonic LHRH factor	Nelf	117536	1,22	down
6113564	7225455	1435735	nasal embryonic LHRH factor	Nelf	117536	1,19	down
6129759	7225455	1435746	nasal embryonic LHRH factor	Nelf	117536	1,25	up
6416039	7225455	1435740	nasal embryonic LHRH factor	Nelf	117536	1,25	up
6511941	7225455	1435738	nasal embryonic LHRH factor	Nelf	117536	1,20	down
6648468	7225455	1435739	nasal embryonic LHRH factor	Nelf	117536	1,02	down
5620348	7321204	1675184	NCK associated protein 1 like	Nckap11	315348	1,26	up
5628672	7321204	1675176	NCK associated protein 1 like	Nckap11	315348	1,40	up
5674026	7321204	1675165	NCK associated protein 1 like	Nckap11	315348	1,24	down
5682535	7321204	1675163	NCK associated protein 1 like	Nckap11	315348	1,36	down
5689210	7321204	1675164	NCK associated protein 1 like	Nckap11	315348	1,35	down
5732974	7321204	1675154	NCK associated protein 1 like	Nckap11	315348	1,20	down
5763329	7321204	1675173	NCK associated protein 1 like	Nckap11	315348	1,03	down
5768236	7321204	1675162	NCK associated protein 1 like	Nckap11	315348	1,39	down
5809438	7321204	1675151	NCK associated protein 1 like	Nckap11	315348	1,04	up
5839388	7321204	1675157	NCK associated protein 1 like	Nckap11	315348	1,44	down
5846909	7321204	1675180	NCK associated protein 1 like	Nckap11	315348	1,14	down
5860092	7321204	1675174	NCK associated protein 1 like	Nckap11	315348	1,16	up
5887195	7321204	1675160	NCK associated protein 1 like	Nckap11	315348	1,21	down
5903910	7321204	1675182	NCK associated protein 1 like	Nckap11	315348	1,05	down
5929349	7321204	1675152	NCK associated protein 1 like	Nckap11	315348	1,20	up
6003530	7321204	1675169	NCK associated protein 1 like	Nckap11	315348	1,03	up
6009483	7321204	1675157	NCK associated protein 1 like	Nckap11	315348	2,08	down
6049344	7321204	1675183	NCK associated protein 1 like	Nckap11	315348	1,05	up

6178886	7321204	1675178	NCK associated protein 1 like	Nckap1l	315348	1,01	up
6193392	7321204	1675166	NCK associated protein 1 like	Nckap1l	315348	1,10	down
6199065	7321204	1675153	NCK associated protein 1 like	Nckap1l	315348	1,11	up
6217196	7321204	1675182	NCK associated protein 1 like	Nckap1l	315348	1,25	up
6249404	7321204	1675155	NCK associated protein 1 like	Nckap1l	315348	1,12	down
6255880	7321204	1675171	NCK associated protein 1 like	Nckap1l	315348	1,06	up
6278538	7321204	1675159	NCK associated protein 1 like	Nckap1l	315348	1,04	down
6376586	7321204	1675158	NCK associated protein 1 like	Nckap1l	315348	1,01	up
6380649	7321204	1675170	NCK associated protein 1 like	Nckap1l	315348	1,58	down
6407805	7321204	1675167	NCK associated protein 1 like	Nckap1l	315348	1,13	up
6440129	7321204	1675162	NCK associated protein 1 like	Nckap1l	315348	2,34	up
6625658	7321204	1675181	NCK associated protein 1 like	Nckap1l	315348	1,28	up
6642668	7321204	1675161	NCK associated protein 1 like	Nckap1l	315348	1,04	down
6661530	7321204	1675184	NCK associated protein 1 like	Nckap1l	315348	1,30	up
6672008	7321204	1675168	NCK associated protein 1 like	Nckap1l	315348	1,08	up
6705187	7321204	1675163	NCK associated protein 1 like	Nckap1l	315348	1,08	down
6731107	7321204	1675177	NCK associated protein 1 like	Nckap1l	315348	1,01	up
5636756	7238845	1470569	nebulin	Neb	311029	1,23	down
5642821	7238845	1470616	nebulin	Neb	311029	1,79	up
5648245	7238845	1470715	nebulin	Neb	311029	1,04	up
5651914	7238845	1470738	nebulin	Neb	311029	1,61	down
5654320	7238845	1470595	nebulin	Neb	311029	1,00	up
5667111	7238845	1470627	nebulin	Neb	311029	1,01	down
5672109	7238845	1470588	nebulin	Neb	311029	1,17	up
5677216	7238845	1470583	nebulin	Neb	311029	1,19	down
5698620	7238845	1470674	nebulin	Neb	311029	1,37	down
5701482	7238845	1470671	nebulin	Neb	311029	1,06	down
5702775	7238845	1470711	nebulin	Neb	311029	1,00	down
5706486	7238845	1470676	nebulin	Neb	311029	1,03	down
5714084	7238845	1470701	nebulin	Neb	311029	1,04	up
5721379	7238845	1470628	nebulin	Neb	311029	1,15	up
5735286	7238845	1470658	nebulin	Neb	311029	1,05	down
5735976	7238845	1470727	nebulin	Neb	311029	1,48	up
5751980	7238845	1470742	nebulin	Neb	311029	1,10	down
5759290	7238845	1470663	nebulin	Neb	311029	1,11	down
5768722	7238845	1470704	nebulin	Neb	311029	1,13	down
5779827	7238845	1470650	nebulin	Neb	311029	1,15	down
5792616	7238845	1470716	nebulin	Neb	311029	1,02	down
5793618	7238845	1470649	nebulin	Neb	311029	1,18	down
5794194	7238845	1470675	nebulin	Neb	311029	1,29	up
5799839	7238845	1470688	nebulin	Neb	311029	1,08	up
5801517	7238845	1470713	nebulin	Neb	311029	1,18	down
5812443	7238845	1470567	nebulin	Neb	311029	1,02	up
5824324	7238845	1470567	nebulin	Neb	311029	1,47	up
5825264	7238845	1470598	nebulin	Neb	311029	1,00	up
5839997	7238845	1470592	nebulin	Neb	311029	1,30	up
5840466	7238845	1470585	nebulin	Neb	311029	1,97	up
5845091	7238845	1470672	nebulin	Neb	311029	1,18	up
5847729	7238845	1470703	nebulin	Neb	311029	1,06	up
5859904	7238845	1470631	nebulin	Neb	311029	1,06	up
5867601	7238845	1470591	nebulin	Neb	311029	1,01	down
5867759	7238845	1470620	nebulin	Neb	311029	1,24	up
5889687	7238845	1470630	nebulin	Neb	311029	1,20	down
5895017	7238845	1470640	nebulin	Neb	311029	1,48	down
5897279	7238845	1470617	nebulin	Neb	311029	1,04	down
5898404	7238845	1470680	nebulin	Neb	311029	1,15	down

5904856	7238845	1470614	nebulin	Neb	311029	1,05	down
5906649	7238845	1470734	nebulin	Neb	311029	1,00	down
5923635	7238845	1470651	nebulin	Neb	311029	1,00	up
5930123	7238845	1470707	nebulin	Neb	311029	1,24	down
5935843	7238845	1470636	nebulin	Neb	311029	1,22	up
5939014	7238845	1470601	nebulin	Neb	311029	1,00	up
5953010	7238845	1470655	nebulin	Neb	311029	1,57	up
5954911	7238845	1470664	nebulin	Neb	311029	1,16	down
5961171	7238845	1470660	nebulin	Neb	311029	1,02	down
5968619	7238845	1470641	nebulin	Neb	311029	1,60	up
5970211	7238845	1470714	nebulin	Neb	311029	1,21	down
5982310	7238845	1470668	nebulin	Neb	311029	1,41	down
6000448	7238845	1470606	nebulin	Neb	311029	1,01	up
6004277	7238845	1470644	nebulin	Neb	311029	1,00	up
6008375	7238845	1470635	nebulin	Neb	311029	1,40	up
6009017	7238845	1470612	nebulin	Neb	311029	1,22	down
6015644	7238845	1470659	nebulin	Neb	311029	1,30	up
6025702	7238845	1470741	nebulin	Neb	311029	1,61	up
6027613	7238845	1470666	nebulin	Neb	311029	1,20	down
6029542	7238845	1470561	nebulin	Neb	311029	1,00	down
6037224	7238845	1470586	nebulin	Neb	311029	1,06	up
6050659	7238845	1470692	nebulin	Neb	311029	1,00	up
6057197	7238845	1470643	nebulin	Neb	311029	1,06	up
6057931	7238845	1470729	nebulin	Neb	311029	1,23	down
6064895	7238845	1470625	nebulin	Neb	311029	1,11	up
6078516	7238845	1470593	nebulin	Neb	311029	1,05	down
6085974	7238845	1470653	nebulin	Neb	311029	1,26	up
6094652	7238845	1470681	nebulin	Neb	311029	1,01	down
6119845	7238845	1470705	nebulin	Neb	311029	1,45	down
6119939	7238845	1470596	nebulin	Neb	311029	1,12	down
6123670	7238845	1470657	nebulin	Neb	311029	1,25	up
6125530	7238845	1470700	nebulin	Neb	311029	1,11	up
6128809	7238845	1470600	nebulin	Neb	311029	1,27	up
6131465	7238845	1470579	nebulin	Neb	311029	1,23	down
6136665	7238845	1470637	nebulin	Neb	311029	1,04	up
6137916	7238845	1470739	nebulin	Neb	311029	1,54	down
6139517	7238845	1470623	nebulin	Neb	311029	1,42	down
6147364	7238845	1470633	nebulin	Neb	311029	1,00	up
6148878	7238845	1470611	nebulin	Neb	311029	1,00	up
6166786	7238845	1470564	nebulin	Neb	311029	1,05	down
6167540	7238845	1470652	nebulin	Neb	311029	1,18	up
6175202	7238845	1470560	nebulin	Neb	311029	1,17	down
6181867	7238845	1470566	nebulin	Neb	311029	1,01	down
6192350	7238845	1470718	nebulin	Neb	311029	1,45	up
6193119	7238845	1470654	nebulin	Neb	311029	1,16	up
6193332	7238845	1470568	nebulin	Neb	311029	1,21	up
6198676	7238845	1470720	nebulin	Neb	311029	1,54	up
6207935	7238845	1470684	nebulin	Neb	311029	1,28	down
6221323	7238845	1470709	nebulin	Neb	311029	1,23	down
6226155	7238845	1470645	nebulin	Neb	311029	1,04	down
6233799	7238845	1470724	nebulin	Neb	311029	1,05	down
6236779	7238845	1470731	nebulin	Neb	311029	1,00	up
6241045	7238845	1470624	nebulin	Neb	311029	1,35	down
6247175	7238845	1470589	nebulin	Neb	311029	1,20	down
6248822	7238845	1470706	nebulin	Neb	311029	1,14	down
6260248	7238845	1470613	nebulin	Neb	311029	1,57	down

6279498	7238845	1470647	nebulin	Neb	311029	1,02	down
6283340	7238845	1470648	nebulin	Neb	311029	1,19	up
6285152	7238845	1470629	nebulin	Neb	311029	1,21	down
6286751	7238845	1470564	nebulin	Neb	311029	1,46	up
6300652	7238845	1470710	nebulin	Neb	311029	1,11	down
6306446	7238845	1470728	nebulin	Neb	311029	1,01	up
6312072	7238845	1470618	nebulin	Neb	311029	1,03	up
6322278	7238845	1470634	nebulin	Neb	311029	1,07	down
6337450	7238845	1470722	nebulin	Neb	311029	1,25	down
6354379	7238845	1470646	nebulin	Neb	311029	1,04	up
6375612	7238845	1470562	nebulin	Neb	311029	1,23	down
6378378	7238845	1470605	nebulin	Neb	311029	1,22	down
6379578	7238845	1470590	nebulin	Neb	311029	1,26	down
6396328	7238845	1470608	nebulin	Neb	311029	1,15	up
6396734	7238845	1470632	nebulin	Neb	311029	1,18	down
6401674	7238845	1470582	nebulin	Neb	311029	1,51	down
6401823	7238845	1470619	nebulin	Neb	311029	1,22	down
6409068	7238845	1470677	nebulin	Neb	311029	1,07	up
6413436	7238845	1470594	nebulin	Neb	311029	1,47	down
6415605	7238845	1470682	nebulin	Neb	311029	1,13	down
6421103	7238845	1470723	nebulin	Neb	311029	1,41	down
6423081	7238845	1470580	nebulin	Neb	311029	1,22	down
6425126	7238845	1470622	nebulin	Neb	311029	1,20	up
6437730	7238845	1470697	nebulin	Neb	311029	1,17	down
6440169	7238845	1470725	nebulin	Neb	311029	1,18	up
6464880	7238845	1470730	nebulin	Neb	311029	1,03	up
6466561	7238845	1470683	nebulin	Neb	311029	1,21	up
6473118	7238845	1470678	nebulin	Neb	311029	1,02	up
6480532	7238845	1470607	nebulin	Neb	311029	1,08	up
6485369	7238845	1470602	nebulin	Neb	311029	1,02	up
6490908	7238845	1470559	nebulin	Neb	311029	1,04	up
6507705	7238845	1470712	nebulin	Neb	311029	1,01	down
6512219	7238845	1470626	nebulin	Neb	311029	1,06	up
6524101	7238845	1470690	nebulin	Neb	311029	1,21	down
6527697	7238845	1470687	nebulin	Neb	311029	1,22	down
6538712	7238845	1470726	nebulin	Neb	311029	1,03	down
6553036	7238845	1470565	nebulin	Neb	311029	1,03	up
6556237	7238845	1470679	nebulin	Neb	311029	1,05	up
6556876	7238845	1470639	nebulin	Neb	311029	1,38	up
6567341	7238845	1470689	nebulin	Neb	311029	1,30	up
6579193	7238845	1470719	nebulin	Neb	311029	1,08	down
6579803	7238845	1470699	nebulin	Neb	311029	1,56	down
6586458	7238845	1470694	nebulin	Neb	311029	1,08	down
6589085	7238845	1470693	nebulin	Neb	311029	1,04	down
6593318	7238845	1470686	nebulin	Neb	311029	1,20	up
6598431	7238845	1470599	nebulin	Neb	311029	1,05	down
6618078	7238845	1470638	nebulin	Neb	311029	1,02	up
6618123	7238845	1470661	nebulin	Neb	311029	1,00	up
6621391	7238845	1470667	nebulin	Neb	311029	1,01	down
6623392	7238845	1470587	nebulin	Neb	311029	1,53	up
6625676	7238845	1470584	nebulin	Neb	311029	1,00	down
6627284	7238845	1470732	nebulin	Neb	311029	1,60	down
6644519	7238845	1470570	nebulin	Neb	311029	1,08	up
6655621	7238845	1470597	nebulin	Neb	311029	1,00	up
6666005	7238845	1470609	nebulin	Neb	311029	1,03	up
6672370	7238845	1470698	nebulin	Neb	311029	1,16	up

6675005	7238845	1470736	nebulin	Neb	311029	1,03	down
6680090	7238845	1470695	nebulin	Neb	311029	1,01	up
6684869	7238845	1470621	nebulin	Neb	311029	1,76	down
6685723	7238845	1470737	nebulin	Neb	311029	1,06	up
6695615	7238845	1470649	nebulin	Neb	311029	1,04	down
6706052	7238845	1470615	nebulin	Neb	311029	1,53	down
6710451	7238845	1470561	nebulin	Neb	311029	1,01	up
6711163	7238845	1470735	nebulin	Neb	311029	1,17	up
6719148	7238845	1470696	nebulin	Neb	311029	1,01	up
6725344	7238845	1470656	nebulin	Neb	311029	1,09	up
6725470	7238845	1470665	nebulin	Neb	311029	2,16	down
5718109	7052331	1014598	necdin-like 2	Ndn12	309259	1,18	up
5892182	7052331	1014598	necdin-like 2	Ndn12	309259	1,05	up
6215238	7052331	1014598	necdin-like 2	Ndn12	309259	1,43	up
5951235	7077170	1073572	Nedd4 binding protein 3	N4bp3	303112	1,02	down
6326354	7077170	1073570	Nedd4 binding protein 3	N4bp3	303112	2,21	up
6372493	7077170	1073569	Nedd4 binding protein 3	N4bp3	303112	1,05	up
6516271	7077170	1073569	Nedd4 binding protein 3	N4bp3	303112	1,14	down
6692700	7077170	1073571	Nedd4 binding protein 3	N4bp3	303112	1,16	up
5902992	7260461	1523862	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,04	down
5963667	7260461	1523861	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,10	down
6000277	7260461	1523858	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,05	up
6100930	7260461	1523863	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,18	up
6127826	7260461	1523867	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,02	up
6216897	7260461	1523859	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,09	down
6242317	7260461	1523865	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,16	down
6296517	7260461	1523858	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,27	down
6375503	7260461	1523855	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,15	down
6376523	7260461	1523868	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,12	up
6409741	7260461	1523860	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,13	up
6463706	7260461	1523864	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,10	down
6532248	7260461	1523866	negative regulator of ubiquitin-like proteins 1	Nub1	296731	2,25	down
6533036	7260461	1523856	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,16	up
6605105	7260461	1523869	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,16	up
6665781	7260461	1523870	negative regulator of ubiquitin-like proteins 1	Nub1	296731	2,28	down
6672396	7260461	1523857	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,03	up
5658703	7072332	1061651	neighbor of Brca1 gene 1	Nbr1	303554	1,23	up
5704138	7072332	1061666	neighbor of Brca1 gene 1	Nbr1	303554	1,27	down
5860710	7072332	1061659	neighbor of Brca1 gene 1	Nbr1	303554	1,05	up
5869425	7072332	1061658	neighbor of Brca1 gene 1	Nbr1	303554	1,04	up
5881839	7072332	1061664	neighbor of Brca1 gene 1	Nbr1	303554	1,07	up
6011618	7072332	1061654	neighbor of Brca1 gene 1	Nbr1	303554	1,02	down
6063062	7072332	1061645	neighbor of Brca1 gene 1	Nbr1	303554	1,07	up
6100253	7072332	1061652	neighbor of Brca1 gene 1	Nbr1	303554	1,29	down
6140193	7072332	1061646	neighbor of Brca1 gene 1	Nbr1	303554	1,33	up
6153821	7072332	1061656	neighbor of Brca1 gene 1	Nbr1	303554	1,17	up
6221846	7072332	1061650	neighbor of Brca1 gene 1	Nbr1	303554	1,28	up
6233929	7072332	1061661	neighbor of Brca1 gene 1	Nbr1	303554	1,18	down
6238890	7072332	1061655	neighbor of Brca1 gene 1	Nbr1	303554	1,02	up
6292785	7072332	1061663	neighbor of Brca1 gene 1	Nbr1	303554	1,11	down
6319615	7072332	1061641	neighbor of Brca1 gene 1	Nbr1	303554	1,60	down
6329014	7072332	1061649	neighbor of Brca1 gene 1	Nbr1	303554	1,04	up
6342695	7072332	1061641	neighbor of Brca1 gene 1	Nbr1	303554	1,23	down
6353723	7072332	1061648	neighbor of Brca1 gene 1	Nbr1	303554	2,03	down
6428847	7072332	1061653	neighbor of Brca1 gene 1	Nbr1	303554	1,11	down
6470596	7072332	1061646	neighbor of Brca1 gene 1	Nbr1	303554	1,00	up

6477279	7072332	1061665	neighbor of Brca1 gene 1	Nbr1	303554	1,07	down
6487156	7072332	1061649	neighbor of Brca1 gene 1	Nbr1	303554	1,08	up
6511093	7072332	1061660	neighbor of Brca1 gene 1	Nbr1	303554	1,19	down
6645428	7072332	1061662	neighbor of Brca1 gene 1	Nbr1	303554	1,02	up
6719967	7072332	1061657	neighbor of Brca1 gene 1	Nbr1	303554	1,09	down
6734928	7072332	1061642	neighbor of Brca1 gene 1	Nbr1	303554	1,81	up
5700063	7317031	1664903	nephroblastoma overexpressed gene	Nov	81526	1,22	up
5763352	7317031	1664908	nephroblastoma overexpressed gene	Nov	81526	1,10	down
5994994	7317031	1664904	nephroblastoma overexpressed gene	Nov	81526	1,43	up
6136835	7317031	1664907	nephroblastoma overexpressed gene	Nov	81526	1,03	down
6198124	7317031	1664902	nephroblastoma overexpressed gene	Nov	81526	1,09	down
6485092	7317031	1664906	nephroblastoma overexpressed gene	Nov	81526	1,16	up
6498089	7317031	1664905	nephroblastoma overexpressed gene	Nov	81526	2,50	down
5676480	7244602	1484769	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,02	up
5685694	7244602	1484766	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,01	up
5698374	7244602	1484775	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,33	down
5724035	7244602	1484782	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,19	down
5784837	7244602	1484758	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,13	down
5822794	7244602	1484787	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,04	up
5906558	7244602	1484759	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,15	up
5916041	7244602	1484773	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,68	up
5917955	7244602	1484773	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,31	up
5943412	7244602	1484765	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,31	down
5963560	7244602	1484763	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,16	down
6027014	7244602	1484776	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,40	down
6053042	7244602	1484767	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,00	up
6086117	7244602	1484783	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,72	up
6189865	7244602	1484769	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,75	up
6196270	7244602	1484784	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,24	down
6243784	7244602	1484772	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,72	up
6297900	7244602	1484777	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,29	up
6370618	7244602	1484781	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,07	down
6380836	7244602	1484778	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,18	down
6418796	7244602	1484779	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	2,18	down
6484173	7244602	1484786	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,10	down
6505337	7244602	1484758	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,04	down
6548683	7244602	1484785	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,08	up
6572582	7244602	1484768	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,01	down
6576375	7244602	1484758	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,04	down
6664437	7244602	1484774	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,19	up
5624310	7281950	1577844	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,34	up
5649630	7281950	1577848	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,03	down
5654516	7281950	1577787	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,15	up
5663926	7281950	1577821	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,03	down
5668418	7281950	1577823	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,58	down
5672656	7281950	1577852	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,02	up
5679578	7281950	1577841	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,29	up
5685033	7281950	1577798	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,04	up
5734418	7281950	1577852	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,23	up
5766525	7281950	1577849	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,49	down
5789862	7281950	1577838	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,07	up
5827221	7281950	1577839	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,07	up
5832646	7281950	1577801	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,04	up
5868087	7281950	1577810	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,23	up
5871839	7281950	1577787	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,19	up
5883990	7281950	1577796	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,13	up

5899772	7281950	1577839	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,09	up
5949604	7281950	1577826	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,22	down
5983800	7281950	1577846	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,74	down
6170907	7281950	1577833	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,05	down
6206297	7281950	1577847	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,42	up
6212236	7281950	1577825	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,15	down
6212834	7281950	1577813	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,57	down
6215020	7281950	1577831	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,81	down
6277737	7281950	1577830	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,32	up
6283711	7281950	1577783	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,09	down
6296628	7281950	1577846	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,81	up
6297215	7281950	1577801	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,05	down
6355025	7281950	1577799	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,01	up
6431883	7281950	1577802	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,21	up
6500554	7281950	1577803	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,56	up
6563239	7281950	1577837	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,17	up
6581231	7281950	1577835	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,16	down
6595580	7281950	1577837	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,30	up
6662094	7281950	1577810	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,12	up
6672696	7281950	1577824	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,39	down
6687254	7281950	1577850	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,36	down
6701110	7281950	1577789	nephronophthisis 4 (juvenile) homolog (human)	Nphp4	313749	1,22	down
5724402	7078833	1077052	netrin 1	Ntn1	114523	1,18	down
6088944	7078833	1077051	netrin 1	Ntn1	114523	1,19	down
6162845	7078833	1077053	netrin 1	Ntn1	114523	1,21	up
6204589	7078833	1077054	netrin 1	Ntn1	114523	1,13	up
6273042	7078833	1077055	netrin 1	Ntn1	114523	1,20	down
6633380	7078833	1077050	netrin 1	Ntn1	114523	2,10	up
5666098	7039308	983919	neurexin 2	Nrxn2	116595	1,03	up
5683863	7039308	983906	neurexin 2	Nrxn2	116595	1,20	down
5753281	7039308	983911	neurexin 2	Nrxn2	116595	1,35	up
5821209	7039308	983912	neurexin 2	Nrxn2	116595	1,14	up
5833435	7039308	983907	neurexin 2	Nrxn2	116595	1,87	down
5842951	7039308	983925	neurexin 2	Nrxn2	116595	1,22	down
5887349	7039308	983913	neurexin 2	Nrxn2	116595	1,30	up
5893049	7039308	983928	neurexin 2	Nrxn2	116595	1,33	down
5895829	7039308	983922	neurexin 2	Nrxn2	116595	1,01	up
5909568	7039308	983916	neurexin 2	Nrxn2	116595	1,12	down
5915146	7039308	983924	neurexin 2	Nrxn2	116595	1,29	down
5929515	7039308	983927	neurexin 2	Nrxn2	116595	1,90	up
5977815	7039308	983928	neurexin 2	Nrxn2	116595	1,10	down
6001471	7039308	983923	neurexin 2	Nrxn2	116595	1,01	down
6005125	7039308	983925	neurexin 2	Nrxn2	116595	1,10	up
6098082	7039308	983926	neurexin 2	Nrxn2	116595	1,22	down
6114478	7039308	983928	neurexin 2	Nrxn2	116595	1,11	down
6190897	7039308	983915	neurexin 2	Nrxn2	116595	1,05	up
6284522	7039308	983910	neurexin 2	Nrxn2	116595	1,17	up
6347817	7039308	983918	neurexin 2	Nrxn2	116595	1,12	up
6373502	7039308	983920	neurexin 2	Nrxn2	116595	1,83	up
6389200	7039308	983928	neurexin 2	Nrxn2	116595	1,14	up
6400400	7039308	983906	neurexin 2	Nrxn2	116595	2,06	down
6413816	7039308	983906	neurexin 2	Nrxn2	116595	1,16	up
6518974	7039308	983909	neurexin 2	Nrxn2	116595	2,02	down
6643495	7039308	983929	neurexin 2	Nrxn2	116595	1,07	up
6651694	7039308	983917	neurexin 2	Nrxn2	116595	1,07	down
6742992	7039308	983914	neurexin 2	Nrxn2	116595	1,01	down

5620525	7350237	1745502	neurobeachin-like 2	Nbeal2	316014	1,15	down
5650855	7350237	1745501	neurobeachin-like 2	Nbeal2	316014	1,18	down
5651495	7350237	1745513	neurobeachin-like 2	Nbeal2	316014	1,01	up
5713625	7350237	1745515	neurobeachin-like 2	Nbeal2	316014	1,27	down
5735714	7350237	1745508	neurobeachin-like 2	Nbeal2	316014	1,08	down
5759539	7350237	1745522	neurobeachin-like 2	Nbeal2	316014	1,14	down
5759784	7350237	1745502	neurobeachin-like 2	Nbeal2	316014	1,10	up
5816434	7350237	1745501	neurobeachin-like 2	Nbeal2	316014	1,10	up
5871841	7350237	1745507	neurobeachin-like 2	Nbeal2	316014	1,53	down
5872857	7350237	1745499	neurobeachin-like 2	Nbeal2	316014	1,15	down
5884913	7350237	1745505	neurobeachin-like 2	Nbeal2	316014	1,25	up
5899439	7350237	1745508	neurobeachin-like 2	Nbeal2	316014	2,87	up
5995368	7350237	1745514	neurobeachin-like 2	Nbeal2	316014	1,08	down
6026793	7350237	1745508	neurobeachin-like 2	Nbeal2	316014	1,32	up
6059649	7350237	1745510	neurobeachin-like 2	Nbeal2	316014	1,10	down
6217778	7350237	1745511	neurobeachin-like 2	Nbeal2	316014	1,00	down
6226204	7350237	1745506	neurobeachin-like 2	Nbeal2	316014	1,54	up
6249637	7350237	1745518	neurobeachin-like 2	Nbeal2	316014	1,24	down
6318566	7350237	1745525	neurobeachin-like 2	Nbeal2	316014	1,47	up
6354583	7350237	1745517	neurobeachin-like 2	Nbeal2	316014	1,40	down
6363350	7350237	1745470	neurobeachin-like 2	Nbeal2	316014	1,01	down
6434643	7350237	1745503	neurobeachin-like 2	Nbeal2	316014	1,06	up
6500400	7350237	1745512	neurobeachin-like 2	Nbeal2	316014	1,30	up
6525995	7350237	1745521	neurobeachin-like 2	Nbeal2	316014	1,37	up
6555888	7350237	1745525	neurobeachin-like 2	Nbeal2	316014	1,06	up
6578679	7350237	1745504	neurobeachin-like 2	Nbeal2	316014	1,09	up
6599189	7350237	1745520	neurobeachin-like 2	Nbeal2	316014	1,13	down
6613491	7350237	1745516	neurobeachin-like 2	Nbeal2	316014	1,04	up
6657139	7350237	1745500	neurobeachin-like 2	Nbeal2	316014	1,18	down
6659659	7350237	1745525	neurobeachin-like 2	Nbeal2	316014	1,53	up
6663364	7350237	1745509	neurobeachin-like 2	Nbeal2	316014	1,14	up
6745495	7350237	1745519	neurobeachin-like 2	Nbeal2	316014	1,03	down
6008682	7294075	1606324	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	1,07	up
6030804	7294075	1606326	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	1,36	down
6179675	7294075	1606326	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	1,06	up
6190787	7294075	1606324	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	1,30	up
6243198	7294075	1606327	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	1,13	up
6260509	7294075	1606325	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	1,64	down
6506735	7294075	1606328	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	1,10	up
6661374	7294075	1606324	neuroblastoma, suppression of tumorigenicity 1	Nbl1	50594	2,33	up
5624594	7144354	1236685	neurocan	Ncan	58982	1,17	up
5672186	7144354	1236686	neurocan	Ncan	58982	1,04	up
5774494	7144354	1236686	neurocan	Ncan	58982	1,55	up
5838133	7144354	1236691	neurocan	Ncan	58982	1,22	down
5861065	7144354	1236692	neurocan	Ncan	58982	1,37	down
5910599	7144354	1236687	neurocan	Ncan	58982	1,10	up
6026246	7144354	1236685	neurocan	Ncan	58982	1,14	down
6030032	7144354	1236679	neurocan	Ncan	58982	1,19	up
6048660	7144354	1236686	neurocan	Ncan	58982	2,60	down
6073007	7144354	1236681	neurocan	Ncan	58982	1,32	down
6081148	7144354	1236689	neurocan	Ncan	58982	2,54	up
6093055	7144354	1236685	neurocan	Ncan	58982	1,15	down
6118315	7144354	1236692	neurocan	Ncan	58982	1,05	down
6188723	7144354	1236686	neurocan	Ncan	58982	1,18	down
6221391	7144354	1236686	neurocan	Ncan	58982	1,15	down
6234283	7144354	1236688	neurocan	Ncan	58982	1,39	up

6281674	7144354	1236686	neurocan	Ncan	58982	1,62	down
6285916	7144354	1236694	neurocan	Ncan	58982	1,20	down
6299637	7144354	1236686	neurocan	Ncan	58982	1,01	down
6303760	7144354	1236680	neurocan	Ncan	58982	1,27	up
6304069	7144354	1236684	neurocan	Ncan	58982	1,11	up
6305152	7144354	1236682	neurocan	Ncan	58982	1,40	down
6361272	7144354	1236693	neurocan	Ncan	58982	1,13	up
6513028	7144354	1236683	neurocan	Ncan	58982	1,03	up
6632955	7144354	1236683	neurocan	Ncan	58982	2,07	up
6641118	7144354	1236686	neurocan	Ncan	58982	1,89	down
6691893	7144354	1236694	neurocan	Ncan	58982	1,14	down
6736001	7144354	1236693	neurocan	Ncan	58982	1,45	down
6742167	7144354	1236690	neurocan	Ncan	58982	1,16	down
5800738	7127790	1195839	neurofilament, heavy polypeptide	Nefh	24587	1,21	up
5891930	7127790	1195836	neurofilament, heavy polypeptide	Nefh	24587	1,04	down
6044690	7127790	1195836	neurofilament, heavy polypeptide	Nefh	24587	1,73	up
6153629	7127790	1195835	neurofilament, heavy polypeptide	Nefh	24587	1,41	up
6169805	7127790	1195835	neurofilament, heavy polypeptide	Nefh	24587	1,22	down
6194392	7127790	1195840	neurofilament, heavy polypeptide	Nefh	24587	3,48	up
6297390	7127790	1195838	neurofilament, heavy polypeptide	Nefh	24587	1,02	down
6648925	7127790	1195837	neurofilament, heavy polypeptide	Nefh	24587	1,14	up
6740507	7127790	1195835	neurofilament, heavy polypeptide	Nefh	24587	1,15	down
5754267	7344200	1730664	neurogranin	Nrgn	64356	1,68	down
5797660	7344200	1730663	neurogranin	Nrgn	64356	1,18	up
5884186	7344200	1730665	neurogranin	Nrgn	64356	2,45	down
5940077	7344200	1730664	neurogranin	Nrgn	64356	1,19	up
6093968	7344200	1730663	neurogranin	Nrgn	64356	1,13	up
6678265	7344200	1730665	neurogranin	Nrgn	64356	1,12	down
5730586	7117849	1171790	neuromedin U	Nmu	63887	1,26	down
5744369	7117849	1171789	neuromedin U	Nmu	63887	1,36	down
5876078	7117849	1171786	neuromedin U	Nmu	63887	1,03	down
5916291	7117849	1171788	neuromedin U	Nmu	63887	1,11	down
5930121	7117849	1171785	neuromedin U	Nmu	63887	1,03	up
5959558	7117849	1171782	neuromedin U	Nmu	63887	1,30	up
5981888	7117849	1171784	neuromedin U	Nmu	63887	1,04	down
6250046	7117849	1171787	neuromedin U	Nmu	63887	1,35	down
6365443	7117849	1171783	neuromedin U	Nmu	63887	1,54	down
6374395	7117849	1171782	neuromedin U	Nmu	63887	2,20	up
6447476	7117849	1171791	neuromedin U	Nmu	63887	1,12	up
6575003	7117849	1171782	neuromedin U	Nmu	63887	1,09	down
5756287	7031774	964724	neuron navigator 2	Nav2	171563	1,77	up
5915771	7031774	964724	neuron navigator 2	Nav2	171563	1,21	up
6228146	7031774	964724	neuron navigator 2	Nav2	171563	1,92	up
5673974	7364948	1781221	neuronal guanine nucleotide exchange factor	Ngef	246217	1,30	down
5744954	7364948	1781220	neuronal guanine nucleotide exchange factor	Ngef	246217	1,27	up
5781426	7364948	1781223	neuronal guanine nucleotide exchange factor	Ngef	246217	1,39	up
5845481	7364948	1781206	neuronal guanine nucleotide exchange factor	Ngef	246217	1,25	up
5859724	7364948	1781218	neuronal guanine nucleotide exchange factor	Ngef	246217	1,75	down
5873523	7364948	1781221	neuronal guanine nucleotide exchange factor	Ngef	246217	1,12	up
5984633	7364948	1781211	neuronal guanine nucleotide exchange factor	Ngef	246217	1,11	up
6101674	7364948	1781213	neuronal guanine nucleotide exchange factor	Ngef	246217	1,19	down
6199974	7364948	1781210	neuronal guanine nucleotide exchange factor	Ngef	246217	1,09	down
6240738	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,26	down
6242944	7364948	1781212	neuronal guanine nucleotide exchange factor	Ngef	246217	1,08	up
6262831	7364948	1781208	neuronal guanine nucleotide exchange factor	Ngef	246217	1,06	up
6292634	7364948	1781221	neuronal guanine nucleotide exchange factor	Ngef	246217	1,35	up

6305953	7364948	1781225	neuronal guanine nucleotide exchange factor	Ngef	246217	2,87	down
6433308	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,91	down
6467571	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,02	up
6566085	7364948	1781216	neuronal guanine nucleotide exchange factor	Ngef	246217	1,13	down
6609621	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,05	up
6610007	7364948	1781209	neuronal guanine nucleotide exchange factor	Ngef	246217	1,06	up
5704226	7048382	1006352	neuronal PAS domain protein 1	Npas1	308387	1,76	down
5755843	7048382	1006353	neuronal PAS domain protein 1	Npas1	308387	1,17	up
5780352	7048382	1006356	neuronal PAS domain protein 1	Npas1	308387	1,16	down
5813155	7048382	1006347	neuronal PAS domain protein 1	Npas1	308387	1,10	down
5813545	7048382	1006356	neuronal PAS domain protein 1	Npas1	308387	1,19	down
6013354	7048382	1006351	neuronal PAS domain protein 1	Npas1	308387	1,40	up
6134442	7048382	1006344	neuronal PAS domain protein 1	Npas1	308387	1,22	up
6264967	7048382	1006349	neuronal PAS domain protein 1	Npas1	308387	1,10	down
6278489	7048382	1006357	neuronal PAS domain protein 1	Npas1	308387	1,11	down
6420621	7048382	1006350	neuronal PAS domain protein 1	Npas1	308387	1,04	down
6436548	7048382	1006345	neuronal PAS domain protein 1	Npas1	308387	1,23	down
6444960	7048382	1006345	neuronal PAS domain protein 1	Npas1	308387	1,71	down
6574432	7048382	1006348	neuronal PAS domain protein 1	Npas1	308387	1,29	up
6648280	7048382	1006344	neuronal PAS domain protein 1	Npas1	308387	1,24	down
6726116	7048382	1006354	neuronal PAS domain protein 1	Npas1	308387	1,12	up
5699447	7353712	1753949	neuronal PAS domain protein 2	Npas2	316351	1,24	up
5711224	7353712	1753960	neuronal PAS domain protein 2	Npas2	316351	1,04	down
5738490	7353712	1753960	neuronal PAS domain protein 2	Npas2	316351	1,26	up
5765337	7353712	1753954	neuronal PAS domain protein 2	Npas2	316351	1,57	down
5884022	7353712	1753965	neuronal PAS domain protein 2	Npas2	316351	1,51	up
5935769	7353712	1753966	neuronal PAS domain protein 2	Npas2	316351	1,21	up
5991203	7353712	1753965	neuronal PAS domain protein 2	Npas2	316351	1,30	down
6026916	7353712	1753957	neuronal PAS domain protein 2	Npas2	316351	1,15	down
6122355	7353712	1753933	neuronal PAS domain protein 2	Npas2	316351	1,18	down
6166245	7353712	1753963	neuronal PAS domain protein 2	Npas2	316351	1,30	down
6261359	7353712	1753943	neuronal PAS domain protein 2	Npas2	316351	1,39	down
6269018	7353712	1753940	neuronal PAS domain protein 2	Npas2	316351	1,20	down
6284085	7353712	1753963	neuronal PAS domain protein 2	Npas2	316351	1,27	up
6285539	7353712	1753935	neuronal PAS domain protein 2	Npas2	316351	1,45	up
6303408	7353712	1753953	neuronal PAS domain protein 2	Npas2	316351	1,19	down
6338293	7353712	1753948	neuronal PAS domain protein 2	Npas2	316351	1,21	down
6391632	7353712	1753915	neuronal PAS domain protein 2	Npas2	316351	1,18	down
6482633	7353712	1753927	neuronal PAS domain protein 2	Npas2	316351	1,02	up
6531904	7353712	1753951	neuronal PAS domain protein 2	Npas2	316351	1,02	up
6551512	7353712	1753966	neuronal PAS domain protein 2	Npas2	316351	2,03	down
6572425	7353712	1753946	neuronal PAS domain protein 2	Npas2	316351	1,93	down
6585369	7353712	1753939	neuronal PAS domain protein 2	Npas2	316351	1,11	down
6611791	7353712	1753951	neuronal PAS domain protein 2	Npas2	316351	1,27	up
6652083	7353712	1753937	neuronal PAS domain protein 2	Npas2	316351	1,12	up
6670789	7353712	1753952	neuronal PAS domain protein 2	Npas2	316351	1,69	up
6699884	7353712	1753943	neuronal PAS domain protein 2	Npas2	316351	1,02	down
6727750	7353712	1753947	neuronal PAS domain protein 2	Npas2	316351	1,27	up
6741839	7353712	1753961	neuronal PAS domain protein 2	Npas2	316351	1,05	down
5642889	7182255	1331271	neuropilin 1	Nrp1	246331	1,18	down
5695831	7182255	1331281	neuropilin 1	Nrp1	246331	1,12	down
5703112	7182255	1331275	neuropilin 1	Nrp1	246331	1,34	down
5785290	7182255	1331288	neuropilin 1	Nrp1	246331	1,18	down
5787201	7182255	1331272	neuropilin 1	Nrp1	246331	1,16	down
5809136	7182255	1331280	neuropilin 1	Nrp1	246331	1,32	up
5826522	7182255	1331274	neuropilin 1	Nrp1	246331	1,83	up

5885957	7182255	1331280	neuropilin 1	Nrp1	246331	1,42	up
5942697	7182255	1331272	neuropilin 1	Nrp1	246331	1,36	down
5945717	7182255	1331285	neuropilin 1	Nrp1	246331	1,56	down
5961865	7182255	1331272	neuropilin 1	Nrp1	246331	1,25	up
6004935	7182255	1331285	neuropilin 1	Nrp1	246331	1,08	up
6027269	7182255	1331273	neuropilin 1	Nrp1	246331	1,81	up
6077621	7182255	1331287	neuropilin 1	Nrp1	246331	1,29	up
6114657	7182255	1331283	neuropilin 1	Nrp1	246331	1,12	down
6134348	7182255	1331272	neuropilin 1	Nrp1	246331	1,19	down
6248968	7182255	1331272	neuropilin 1	Nrp1	246331	1,27	up
6253449	7182255	1331280	neuropilin 1	Nrp1	246331	1,10	up
6260469	7182255	1331286	neuropilin 1	Nrp1	246331	1,31	down
6490223	7182255	1331278	neuropilin 1	Nrp1	246331	1,85	up
6523691	7182255	1331285	neuropilin 1	Nrp1	246331	1,55	down
6590605	7182255	1331279	neuropilin 1	Nrp1	246331	2,27	up
6606379	7182255	1331282	neuropilin 1	Nrp1	246331	1,39	down
6621167	7182255	1331276	neuropilin 1	Nrp1	246331	1,04	down
6671527	7182255	1331284	neuropilin 1	Nrp1	246331	1,10	up
6689106	7182255	1331277	neuropilin 1	Nrp1	246331	1,07	down
6734080	7182255	1331285	neuropilin 1	Nrp1	246331	1,22	up
5704521	7343532	1728936	neurotrimin	Hnt	50864	1,89	up
5768217	7343532	1728933	neurotrimin	Hnt	50864	1,45	down
5839759	7343532	1728937	neurotrimin	Hnt	50864	1,73	up
6117753	7343532	1728930	neurotrimin	Hnt	50864	2,17	down
6149758	7343532	1728931	neurotrimin	Hnt	50864	1,42	down
6624627	7343532	1728935	neurotrimin	Hnt	50864	3,62	up
6645692	7343532	1728934	neurotrimin	Hnt	50864	1,00	up
6732385	7343532	1728932	neurotrimin	Hnt	50864	1,60	down
5621324	7161672	1279521	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,29	up
5645197	7161672	1279515	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,17	down
5678017	7161672	1279510	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,20	down
5711686	7161672	1279502	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,75	up
5829200	7161672	1279504	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,64	up
5846086	7161672	1279511	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,64	down
5850348	7161672	1279513	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,51	down
5863436	7161672	1279516	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,05	down
5863461	7161672	1279505	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	2,55	up
5869251	7161672	1279520	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,10	down
6090229	7161672	1279519	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,53	down
6116897	7161672	1279512	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,52	up
6144805	7161672	1279510	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,19	down
6211984	7161672	1279518	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,19	down
6212815	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,39	up
6243425	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,40	up
6260069	7161672	1279506	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	2,35	up
6267171	7161672	1279501	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,10	up
6287989	7161672	1279508	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,32	down
6338793	7161672	1279510	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,80	up
6344940	7161672	1279503	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,00	up
6355013	7161672	1279517	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,23	down
6434715	7161672	1279520	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,13	up
6444403	7161672	1279507	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,54	up
6464986	7161672	1279514	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,13	down
6467051	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,08	up
6633271	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,15	down
6721814	7161672	1279508	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,82	up

5621586	7330181	1695706	NFAT activating protein with ITAM motif 1	Nfam1	362966	1,03	down
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	1,10	up
6418123	7330181	1695703	NFAT activating protein with ITAM motif 1	Nfam1	362966	1,03	up
6744163	7330181	1695706	NFAT activating protein with ITAM motif 1	Nfam1	362966	1,33	up
5755206	7136496	1217306	N-glycanase 1	Ngly1	361014	1,08	up
5863466	7136496	1217301	N-glycanase 1	Ngly1	361014	1,12	up
5877913	7136496	1217296	N-glycanase 1	Ngly1	361014	1,15	down
5881170	7136496	1217303	N-glycanase 1	Ngly1	361014	1,32	up
6025740	7136496	1217296	N-glycanase 1	Ngly1	361014	1,04	up
6039306	7136496	1217299	N-glycanase 1	Ngly1	361014	1,14	up
6163312	7136496	1217298	N-glycanase 1	Ngly1	361014	1,00	down
6262392	7136496	1217300	N-glycanase 1	Ngly1	361014	1,69	down
6322404	7136496	1217302	N-glycanase 1	Ngly1	361014	1,09	down
6374373	7136496	1217305	N-glycanase 1	Ngly1	361014	2,03	down
6466830	7136496	1217305	N-glycanase 1	Ngly1	361014	1,36	down
6607759	7136496	1217298	N-glycanase 1	Ngly1	361014	1,20	down
6619812	7136496	1217297	N-glycanase 1	Ngly1	361014	1,11	up
6633744	7136496	1217304	N-glycanase 1	Ngly1	361014	1,21	up
5617825	7043452	993836	NHL repeat containing 2	Nhlrc2	307986	2,05	down
5697244	7043452	993826	NHL repeat containing 2	Nhlrc2	307986	1,05	up
5752125	7043452	993828	NHL repeat containing 2	Nhlrc2	307986	1,23	down
5758954	7043452	993839	NHL repeat containing 2	Nhlrc2	307986	1,31	up
5830245	7043452	993830	NHL repeat containing 2	Nhlrc2	307986	1,22	down
5864100	7043452	993833	NHL repeat containing 2	Nhlrc2	307986	2,28	down
5903012	7043452	993842	NHL repeat containing 2	Nhlrc2	307986	1,22	down
5956751	7043452	993835	NHL repeat containing 2	Nhlrc2	307986	1,38	up
6030620	7043452	993838	NHL repeat containing 2	Nhlrc2	307986	1,05	up
6084275	7043452	993837	NHL repeat containing 2	Nhlrc2	307986	1,49	up
6124361	7043452	993825	NHL repeat containing 2	Nhlrc2	307986	1,71	down
6318352	7043452	993834	NHL repeat containing 2	Nhlrc2	307986	1,01	down
6489758	7043452	993840	NHL repeat containing 2	Nhlrc2	307986	1,03	down
6527974	7043452	993829	NHL repeat containing 2	Nhlrc2	307986	1,20	down
6723125	7043452	993835	NHL repeat containing 2	Nhlrc2	307986	1,23	up
5665202	7273022	1555429	nibrin	Nbn	85482	1,15	down
5684394	7273022	1555429	nibrin	Nbn	85482	1,15	down
5755466	7273022	1555414	nibrin	Nbn	85482	1,11	up
5762658	7273022	1555429	nibrin	Nbn	85482	1,11	up
5827214	7273022	1555413	nibrin	Nbn	85482	1,15	down
5829857	7273022	1555426	nibrin	Nbn	85482	1,24	up
5934876	7273022	1555423	nibrin	Nbn	85482	1,21	down
6088238	7273022	1555419	nibrin	Nbn	85482	1,15	up
6154399	7273022	1555424	nibrin	Nbn	85482	2,22	up
6217964	7273022	1555418	nibrin	Nbn	85482	1,06	up
6300153	7273022	1555425	nibrin	Nbn	85482	1,34	down
6340735	7273022	1555415	nibrin	Nbn	85482	1,07	down
6479668	7273022	1555428	nibrin	Nbn	85482	1,38	down
6547220	7273022	1555421	nibrin	Nbn	85482	1,35	up
6554762	7273022	1555427	nibrin	Nbn	85482	1,00	down
6612081	7273022	1555422	nibrin	Nbn	85482	1,03	up
6615817	7273022	1555416	nibrin	Nbn	85482	1,07	up
6681304	7273022	1555422	nibrin	Nbn	85482	1,65	down
6694383	7273022	1555417	nibrin	Nbn	85482	1,14	up
6735257	7273022	1555420	nibrin	Nbn	85482	1,18	down
5627250	7114149	1162535	nicastrin	Ncstn	289231	1,14	down
5765182	7114149	1162526	nicastrin	Ncstn	289231	1,13	down

5969722	7114149	1162529	nicastrin	Ncstn	289231	1,19	down
5992365	7114149	1162536	nicastrin	Ncstn	289231	1,04	up
5992458	7114149	1162522	nicastrin	Ncstn	289231	1,08	up
5999460	7114149	1162536	nicastrin	Ncstn	289231	1,18	up
6025543	7114149	1162532	nicastrin	Ncstn	289231	1,02	up
6056433	7114149	1162528	nicastrin	Ncstn	289231	1,02	up
6075100	7114149	1162537	nicastrin	Ncstn	289231	2,55	up
6078723	7114149	1162538	nicastrin	Ncstn	289231	1,29	up
6101367	7114149	1162525	nicastrin	Ncstn	289231	1,02	up
6113387	7114149	1162539	nicastrin	Ncstn	289231	1,02	up
6138012	7114149	1162531	nicastrin	Ncstn	289231	1,02	up
6193214	7114149	1162533	nicastrin	Ncstn	289231	1,13	up
6219691	7114149	1162524	nicastrin	Ncstn	289231	1,08	up
6267750	7114149	1162521	nicastrin	Ncstn	289231	1,44	up
6376266	7114149	1162523	nicastrin	Ncstn	289231	1,04	down
6391342	7114149	1162521	nicastrin	Ncstn	289231	1,07	down
6441554	7114149	1162539	nicastrin	Ncstn	289231	1,31	down
6458065	7114149	1162534	nicastrin	Ncstn	289231	1,13	up
6511010	7114149	1162527	nicastrin	Ncstn	289231	1,35	down
6658752	7114149	1162530	nicastrin	Ncstn	289231	1,05	up
6683551	7114149	1162524	nicastrin	Ncstn	289231	1,11	down
5629095	7349643	1744172	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,16	down
5713276	7349643	1744183	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,30	up
5728952	7349643	1744179	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,62	down
5925157	7349643	1744155	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,29	up
6024355	7349643	1744194	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,42	down
6111666	7349643	1744167	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	2,14	down
6131103	7349643	1744169	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,40	up
6163319	7349643	1744171	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,04	up
6166137	7349643	1744183	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,52	down
6300847	7349643	1744155	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,72	down
6313330	7349643	1744173	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,45	down
6338480	7349643	1744193	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,01	up
6471335	7349643	1744175	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,01	down
6533593	7349643	1744191	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,02	down
6631845	7349643	1744164	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,48	down
6640378	7349643	1744155	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,05	up
6645941	7349643	1744168	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,31	up
5632805	7150631	1252180	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,08	up
5646370	7150631	1252163	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,49	down
5650096	7150631	1252183	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,22	down
5683802	7150631	1252156	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	2,15	down
5719312	7150631	1252167	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,08	up
5741344	7150631	1252148	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,13	up
5743232	7150631	1252179	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,35	down
5814545	7150631	1252159	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	3,27	down
5820287	7150631	1252170	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,33	down
5820579	7150631	1252181	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,09	down
5853509	7150631	1252166	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,43	up
5873469	7150631	1252156	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,67	down
5883347	7150631	1252176	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,24	up
5883422	7150631	1252161	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,57	down
5900200	7150631	1252186	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,17	down
5950582	7150631	1252184	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,64	down
5968000	7150631	1252188	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,36	down
6009310	7150631	1252160	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,21	down

6028349	7150631	1252187	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,18	down
6046750	7150631	1252190	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,43	down
6108602	7150631	1252191	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,11	down
6126322	7150631	1252182	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,28	down
6135248	7150631	1252183	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,06	down
6161735	7150631	1252162	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,05	down
6172703	7150631	1252153	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,48	up
6187850	7150631	1252169	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,05	up
6190070	7150631	1252186	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,71	up
6220295	7150631	1252194	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,11	down
6253555	7150631	1252149	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,24	up
6255885	7150631	1252192	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,56	down
6279797	7150631	1252152	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,18	up
6316022	7150631	1252159	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,06	down
6411884	7150631	1252147	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,01	down
6435765	7150631	1252154	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,15	up
6491072	7150631	1252193	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,08	up
6510497	7150631	1252189	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,01	down
6600668	7150631	1252173	NIMA (never in mitosis gene a)-related expressed kinase 1	Nek1	290705	1,01	up
5656788	7307485	1641349	ninein (GSK3B interacting protein)	Nin	299117	1,19	down
5687357	7307485	1641342	ninein (GSK3B interacting protein)	Nin	299117	1,06	down
5687684	7307485	1641389	ninein (GSK3B interacting protein)	Nin	299117	1,54	down
5694489	7307485	1641332	ninein (GSK3B interacting protein)	Nin	299117	1,06	up
5711587	7307485	1641362	ninein (GSK3B interacting protein)	Nin	299117	1,50	down
5746449	7307485	1641357	ninein (GSK3B interacting protein)	Nin	299117	1,03	up
5755033	7307485	1641360	ninein (GSK3B interacting protein)	Nin	299117	1,11	down
5885860	7307485	1641341	ninein (GSK3B interacting protein)	Nin	299117	1,70	up
5917781	7307485	1641341	ninein (GSK3B interacting protein)	Nin	299117	1,26	down
5994734	7307485	1641344	ninein (GSK3B interacting protein)	Nin	299117	1,07	up
6006344	7307485	1641356	ninein (GSK3B interacting protein)	Nin	299117	1,22	down
6024252	7307485	1641347	ninein (GSK3B interacting protein)	Nin	299117	1,20	down
6044348	7307485	1641370	ninein (GSK3B interacting protein)	Nin	299117	1,30	up
6063920	7307485	1641347	ninein (GSK3B interacting protein)	Nin	299117	1,08	up
6100884	7307485	1641380	ninein (GSK3B interacting protein)	Nin	299117	1,01	up
6120340	7307485	1641343	ninein (GSK3B interacting protein)	Nin	299117	1,18	up
6146775	7307485	1641352	ninein (GSK3B interacting protein)	Nin	299117	1,39	up
6172643	7307485	1641351	ninein (GSK3B interacting protein)	Nin	299117	1,01	up
6178901	7307485	1641374	ninein (GSK3B interacting protein)	Nin	299117	1,39	up
6194434	7307485	1641338	ninein (GSK3B interacting protein)	Nin	299117	1,30	up
6284481	7307485	1641347	ninein (GSK3B interacting protein)	Nin	299117	1,18	up
6311897	7307485	1641354	ninein (GSK3B interacting protein)	Nin	299117	1,10	down
6333541	7307485	1641333	ninein (GSK3B interacting protein)	Nin	299117	1,22	up
6339082	7307485	1641339	ninein (GSK3B interacting protein)	Nin	299117	1,14	up
6346440	7307485	1641347	ninein (GSK3B interacting protein)	Nin	299117	1,44	down
6393494	7307485	1641340	ninein (GSK3B interacting protein)	Nin	299117	1,21	down
6437210	7307485	1641355	ninein (GSK3B interacting protein)	Nin	299117	1,02	up
6438374	7307485	1641348	ninein (GSK3B interacting protein)	Nin	299117	1,16	up
6441889	7307485	1641353	ninein (GSK3B interacting protein)	Nin	299117	1,09	up
6464132	7307485	1641345	ninein (GSK3B interacting protein)	Nin	299117	1,02	down
6483826	7307485	1641350	ninein (GSK3B interacting protein)	Nin	299117	1,21	down
6488098	7307485	1641360	ninein (GSK3B interacting protein)	Nin	299117	1,02	up
6488341	7307485	1641347	ninein (GSK3B interacting protein)	Nin	299117	1,67	down
6493963	7307485	1641342	ninein (GSK3B interacting protein)	Nin	299117	1,13	down
6589915	7307485	1641337	ninein (GSK3B interacting protein)	Nin	299117	1,02	up
6624142	7307485	1641336	ninein (GSK3B interacting protein)	Nin	299117	1,48	down
5648251	7246548	1489156	ninein-like	Nlp	311529	1,10	down

5655681	7246548	1489155	ninein-like	Nlp	311529	1,39	up
5801489	7246548	1489150	ninein-like	Nlp	311529	1,01	down
5811562	7246548	1489159	ninein-like	Nlp	311529	1,10	up
5818018	7246548	1489137	ninein-like	Nlp	311529	1,33	down
5881311	7246548	1489160	ninein-like	Nlp	311529	1,44	down
5923938	7246548	1489165	ninein-like	Nlp	311529	1,01	up
5956708	7246548	1489139	ninein-like	Nlp	311529	1,02	down
5957275	7246548	1489166	ninein-like	Nlp	311529	1,84	down
6000205	7246548	1489164	ninein-like	Nlp	311529	1,15	down
6008010	7246548	1489169	ninein-like	Nlp	311529	1,05	down
6139314	7246548	1489136	ninein-like	Nlp	311529	1,43	down
6141294	7246548	1489149	ninein-like	Nlp	311529	1,03	up
6169090	7246548	1489160	ninein-like	Nlp	311529	1,22	up
6174020	7246548	1489136	ninein-like	Nlp	311529	1,01	down
6185473	7246548	1489147	ninein-like	Nlp	311529	1,12	down
6246759	7246548	1489143	ninein-like	Nlp	311529	2,16	up
6257042	7246548	1489141	ninein-like	Nlp	311529	1,10	up
6316341	7246548	1489138	ninein-like	Nlp	311529	1,01	down
6386995	7246548	1489154	ninein-like	Nlp	311529	1,28	up
6425414	7246548	1489163	ninein-like	Nlp	311529	1,22	down
6426970	7246548	1489162	ninein-like	Nlp	311529	1,05	down
6512301	7246548	1489142	ninein-like	Nlp	311529	1,22	up
6514724	7246548	1489152	ninein-like	Nlp	311529	1,41	down
6618471	7246548	1489145	ninein-like	Nlp	311529	1,02	down
6675716	7246548	1489140	ninein-like	Nlp	311529	1,02	up
6702024	7246548	1489146	ninein-like	Nlp	311529	1,07	up
6702962	7246548	1489137	ninein-like	Nlp	311529	1,23	up
6718983	7246548	1489136	ninein-like	Nlp	311529	1,07	up
6723728	7246548	1489151	ninein-like	Nlp	311529	1,05	down
5742937	7113859	1161975	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,27	down
5756678	7113859	1161980	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,68	up
5858019	7113859	1161984	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,26	down
5861909	7113859	1161983	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,22	up
5874144	7113859	1161978	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,07	down
5912077	7113859	1161979	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,00	down
5929596	7113859	1161975	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,04	down
6011530	7113859	1161977	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,00	down
6042803	7113859	1161976	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,29	down
6127093	7113859	1161978	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,03	up
6208602	7113859	1161984	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,13	down
6321624	7113859	1161974	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,01	up
6542455	7113859	1161981	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,23	up
6599339	7113859	1161975	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	2,56	down
6720969	7113859	1161982	nitric oxide synthase 1 (neuronal) adaptor protein	Nos1ap	192363	1,39	up
5664760	7069999	1056012	nitric oxide synthase 2, inducible	Nos2	24599	1,83	down
5683180	7069999	1056004	nitric oxide synthase 2, inducible	Nos2	24599	1,21	down
5693047	7069999	1056020	nitric oxide synthase 2, inducible	Nos2	24599	1,69	down
5730360	7069999	1056002	nitric oxide synthase 2, inducible	Nos2	24599	1,56	down
5758064	7069999	1056001	nitric oxide synthase 2, inducible	Nos2	24599	1,41	up
5810222	7069999	1056023	nitric oxide synthase 2, inducible	Nos2	24599	2,71	up
5818146	7069999	1056024	nitric oxide synthase 2, inducible	Nos2	24599	6,97	down
5877268	7069999	1056002	nitric oxide synthase 2, inducible	Nos2	24599	1,42	down
5883984	7069999	1056008	nitric oxide synthase 2, inducible	Nos2	24599	2,60	down
5897082	7069999	1056014	nitric oxide synthase 2, inducible	Nos2	24599	1,27	down
5917327	7069999	1056017	nitric oxide synthase 2, inducible	Nos2	24599	1,15	up
5924664	7069999	1056003	nitric oxide synthase 2, inducible	Nos2	24599	1,13	down

5952010	7069999	1056011	nitric oxide synthase 2, inducible	Nos2	24599	2,93	up
6019263	7069999	1056015	nitric oxide synthase 2, inducible	Nos2	24599	1,15	down
6070066	7069999	1056019	nitric oxide synthase 2, inducible	Nos2	24599	1,20	up
6131270	7069999	1056007	nitric oxide synthase 2, inducible	Nos2	24599	1,20	up
6169334	7069999	1056028	nitric oxide synthase 2, inducible	Nos2	24599	7,23	down
6179967	7069999	1056027	nitric oxide synthase 2, inducible	Nos2	24599	1,39	up
6207601	7069999	1056010	nitric oxide synthase 2, inducible	Nos2	24599	1,00	up
6215948	7069999	1056009	nitric oxide synthase 2, inducible	Nos2	24599	2,09	down
6239444	7069999	1056013	nitric oxide synthase 2, inducible	Nos2	24599	1,05	down
6407461	7069999	1056005	nitric oxide synthase 2, inducible	Nos2	24599	1,25	down
6436308	7069999	1056022	nitric oxide synthase 2, inducible	Nos2	24599	1,02	down
6480842	7069999	1056026	nitric oxide synthase 2, inducible	Nos2	24599	1,62	up
6499390	7069999	1056008	nitric oxide synthase 2, inducible	Nos2	24599	1,33	down
6502156	7069999	1056006	nitric oxide synthase 2, inducible	Nos2	24599	1,97	down
6639973	7069999	1056025	nitric oxide synthase 2, inducible	Nos2	24599	1,35	down
6644809	7069999	1056016	nitric oxide synthase 2, inducible	Nos2	24599	1,85	up
6663617	7069999	1056021	nitric oxide synthase 2, inducible	Nos2	24599	1,37	down
6730318	7069999	1056018	nitric oxide synthase 2, inducible	Nos2	24599	1,71	up
5680253	7166946	1291571	N-myristoyltransferase 2	Nmt2	291318	1,05	down
5893027	7166946	1291569	N-myristoyltransferase 2	Nmt2	291318	1,55	up
5929020	7166946	1291570	N-myristoyltransferase 2	Nmt2	291318	1,06	down
5953041	7166946	1291568	N-myristoyltransferase 2	Nmt2	291318	1,41	down
5990105	7166946	1291575	N-myristoyltransferase 2	Nmt2	291318	2,11	up
6150514	7166946	1291572	N-myristoyltransferase 2	Nmt2	291318	1,29	up
6304862	7166946	1291564	N-myristoyltransferase 2	Nmt2	291318	1,42	down
6326257	7166946	1291567	N-myristoyltransferase 2	Nmt2	291318	1,17	down
6359909	7166946	1291574	N-myristoyltransferase 2	Nmt2	291318	1,65	up
6429043	7166946	1291566	N-myristoyltransferase 2	Nmt2	291318	1,04	down
6560563	7166946	1291573	N-myristoyltransferase 2	Nmt2	291318	1,01	up
6719692	7166946	1291565	N-myristoyltransferase 2	Nmt2	291318	1,20	down
5769029	7081667	1083099	non-metastatic cells 1, protein (NM23A) expressed in	Nme1	191575	1,11	up
5803091	7081667	1083098	non-metastatic cells 1, protein (NM23A) expressed in	Nme1	191575	1,05	up
5940388	7081667	1083097	non-metastatic cells 1, protein (NM23A) expressed in	Nme1	191575	1,16	down
6135992	7081667	1083095	non-metastatic cells 1, protein (NM23A) expressed in	Nme1	191575	2,31	down
6204405	7081667	1083094	non-metastatic cells 1, protein (NM23A) expressed in	Nme1	191575	1,06	up
6511085	7081667	1083096	non-metastatic cells 1, protein (NM23A) expressed in	Nme1	191575	1,09	up
5625694	7236991	1465795	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	2,01	up
5630764	7236991	1465815	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	2,28	down
5681102	7236991	1465800	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,35	up
5700909	7236991	1465804	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,26	up
5717842	7236991	1465780	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,22	up
5751861	7236991	1465801	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,10	up
5779466	7236991	1465779	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,08	up
5785340	7236991	1465808	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,05	up
5840749	7236991	1465814	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,15	down
5850132	7236991	1465810	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,05	up
5863340	7236991	1465797	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,07	up
5884390	7236991	1465807	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,02	down
5900002	7236991	1465806	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,03	down
5906306	7236991	1465788	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,17	down
5943239	7236991	1465798	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,17	up
5985041	7236991	1465782	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,41	down
5991871	7236991	1465785	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,06	up
6041592	7236991	1465792	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,20	up
6053888	7236991	1465780	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,14	up
6094574	7236991	1465812	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,19	down

6117693	7236991	1465809	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,52	up
6144851	7236991	1465781	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,01	up
6152244	7236991	1465791	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,14	up
6210990	7236991	1465803	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,24	up
6249445	7236991	1465805	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,11	down
6300347	7236991	1465793	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,01	down
6385359	7236991	1465790	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,36	down
6389112	7236991	1465777	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,43	down
6405040	7236991	1465778	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,06	down
6430470	7236991	1465794	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,08	up
6551030	7236991	1465802	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,19	up
6618630	7236991	1465790	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,61	down
6646802	7236991	1465777	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,57	up
6653503	7236991	1465781	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,13	up
6655392	7236991	1465796	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,09	up
6680573	7236991	1465789	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,16	up
6687666	7236991	1465811	Notch homolog 1, translocation-associated (Drosophila)	Notch1	25496	1,16	up
5620983	7197253	1368317	Notch homolog 2 (Drosophila)	Notch2	29492	1,12	down
5667368	7197253	1368325	Notch homolog 2 (Drosophila)	Notch2	29492	1,10	down
5671114	7197253	1368339	Notch homolog 2 (Drosophila)	Notch2	29492	1,09	down
5679724	7197253	1368319	Notch homolog 2 (Drosophila)	Notch2	29492	1,80	up
5725806	7197253	1368333	Notch homolog 2 (Drosophila)	Notch2	29492	1,48	up
5763010	7197253	1368341	Notch homolog 2 (Drosophila)	Notch2	29492	1,18	up
5805793	7197253	1368327	Notch homolog 2 (Drosophila)	Notch2	29492	1,32	up
5825737	7197253	1368335	Notch homolog 2 (Drosophila)	Notch2	29492	1,06	down
5948332	7197253	1368338	Notch homolog 2 (Drosophila)	Notch2	29492	1,40	down
5988307	7197253	1368328	Notch homolog 2 (Drosophila)	Notch2	29492	1,02	up
6113621	7197253	1368323	Notch homolog 2 (Drosophila)	Notch2	29492	1,12	up
6125194	7197253	1368321	Notch homolog 2 (Drosophila)	Notch2	29492	1,31	down
6132046	7197253	1368342	Notch homolog 2 (Drosophila)	Notch2	29492	1,76	up
6153490	7197253	1368336	Notch homolog 2 (Drosophila)	Notch2	29492	1,27	up
6184209	7197253	1368334	Notch homolog 2 (Drosophila)	Notch2	29492	1,23	up
6190403	7197253	1368326	Notch homolog 2 (Drosophila)	Notch2	29492	1,38	up
6191710	7197253	1368320	Notch homolog 2 (Drosophila)	Notch2	29492	1,50	up
6193518	7197253	1368314	Notch homolog 2 (Drosophila)	Notch2	29492	1,49	down
6213029	7197253	1368347	Notch homolog 2 (Drosophila)	Notch2	29492	1,02	down
6238091	7197253	1368344	Notch homolog 2 (Drosophila)	Notch2	29492	1,19	down
6266753	7197253	1368318	Notch homolog 2 (Drosophila)	Notch2	29492	1,03	up
6314797	7197253	1368337	Notch homolog 2 (Drosophila)	Notch2	29492	1,07	down
6319951	7197253	1368329	Notch homolog 2 (Drosophila)	Notch2	29492	1,23	up
6363888	7197253	1368316	Notch homolog 2 (Drosophila)	Notch2	29492	1,01	down
6424370	7197253	1368346	Notch homolog 2 (Drosophila)	Notch2	29492	1,46	up
6528349	7197253	1368331	Notch homolog 2 (Drosophila)	Notch2	29492	1,02	up
6541065	7197253	1368324	Notch homolog 2 (Drosophila)	Notch2	29492	1,05	down
6588966	7197253	1368315	Notch homolog 2 (Drosophila)	Notch2	29492	2,65	up
6599121	7197253	1368322	Notch homolog 2 (Drosophila)	Notch2	29492	1,21	up
6623545	7197253	1368330	Notch homolog 2 (Drosophila)	Notch2	29492	1,16	down
6666058	7197253	1368340	Notch homolog 2 (Drosophila)	Notch2	29492	1,32	down
6672910	7197253	1368345	Notch homolog 2 (Drosophila)	Notch2	29492	1,87	down
6702759	7197253	1368331	Notch homolog 2 (Drosophila)	Notch2	29492	2,68	down
6719724	7197253	1368343	Notch homolog 2 (Drosophila)	Notch2	29492	1,57	up
6743761	7197253	1368332	Notch homolog 2 (Drosophila)	Notch2	29492	1,34	down
5621142	7322533	1677628	Notch homolog 3 (Drosophila)	Notch3	56761	1,11	up
5659504	7322533	1677597	Notch homolog 3 (Drosophila)	Notch3	56761	1,13	up
5702821	7322533	1677601	Notch homolog 3 (Drosophila)	Notch3	56761	1,08	up
5721162	7322533	1677604	Notch homolog 3 (Drosophila)	Notch3	56761	1,34	up

5732745	7322533	1677622	Notch homolog 3 (Drosophila)	Notch3	56761	1,07	down
5753878	7322533	1677606	Notch homolog 3 (Drosophila)	Notch3	56761	1,78	down
5785363	7322533	1677598	Notch homolog 3 (Drosophila)	Notch3	56761	1,05	down
5848413	7322533	1677608	Notch homolog 3 (Drosophila)	Notch3	56761	1,48	up
5876903	7322533	1677618	Notch homolog 3 (Drosophila)	Notch3	56761	1,07	down
5879620	7322533	1677607	Notch homolog 3 (Drosophila)	Notch3	56761	1,06	up
5880211	7322533	1677599	Notch homolog 3 (Drosophila)	Notch3	56761	1,03	up
5885996	7322533	1677628	Notch homolog 3 (Drosophila)	Notch3	56761	1,15	up
5889055	7322533	1677614	Notch homolog 3 (Drosophila)	Notch3	56761	1,46	up
5893207	7322533	1677606	Notch homolog 3 (Drosophila)	Notch3	56761	1,04	down
5925606	7322533	1677625	Notch homolog 3 (Drosophila)	Notch3	56761	1,33	down
5955258	7322533	1677624	Notch homolog 3 (Drosophila)	Notch3	56761	1,04	up
5965730	7322533	1677611	Notch homolog 3 (Drosophila)	Notch3	56761	1,20	down
5966102	7322533	1677600	Notch homolog 3 (Drosophila)	Notch3	56761	1,03	up
5967898	7322533	1677615	Notch homolog 3 (Drosophila)	Notch3	56761	1,38	down
6004027	7322533	1677616	Notch homolog 3 (Drosophila)	Notch3	56761	1,32	up
6115260	7322533	1677612	Notch homolog 3 (Drosophila)	Notch3	56761	1,04	down
6129943	7322533	1677626	Notch homolog 3 (Drosophila)	Notch3	56761	1,13	up
6156815	7322533	1677605	Notch homolog 3 (Drosophila)	Notch3	56761	1,43	down
6163810	7322533	1677621	Notch homolog 3 (Drosophila)	Notch3	56761	1,10	down
6182723	7322533	1677629	Notch homolog 3 (Drosophila)	Notch3	56761	2,94	down
6189042	7322533	1677604	Notch homolog 3 (Drosophila)	Notch3	56761	1,11	up
6201137	7322533	1677609	Notch homolog 3 (Drosophila)	Notch3	56761	1,03	down
6219380	7322533	1677610	Notch homolog 3 (Drosophila)	Notch3	56761	1,02	up
6278555	7322533	1677605	Notch homolog 3 (Drosophila)	Notch3	56761	1,62	up
6284023	7322533	1677605	Notch homolog 3 (Drosophila)	Notch3	56761	1,23	up
6376488	7322533	1677620	Notch homolog 3 (Drosophila)	Notch3	56761	1,01	up
6411556	7322533	1677624	Notch homolog 3 (Drosophila)	Notch3	56761	1,09	up
6415514	7322533	1677596	Notch homolog 3 (Drosophila)	Notch3	56761	1,87	up
6480293	7322533	1677626	Notch homolog 3 (Drosophila)	Notch3	56761	1,17	down
6563917	7322533	1677607	Notch homolog 3 (Drosophila)	Notch3	56761	1,95	down
6567603	7322533	1677617	Notch homolog 3 (Drosophila)	Notch3	56761	1,14	down
6588265	7322533	1677627	Notch homolog 3 (Drosophila)	Notch3	56761	1,28	down
6597872	7322533	1677603	Notch homolog 3 (Drosophila)	Notch3	56761	1,30	up
6623491	7322533	1677623	Notch homolog 3 (Drosophila)	Notch3	56761	1,64	down
6625102	7322533	1677619	Notch homolog 3 (Drosophila)	Notch3	56761	1,05	up
6673063	7322533	1677602	Notch homolog 3 (Drosophila)	Notch3	56761	2,77	down
6674466	7322533	1677629	Notch homolog 3 (Drosophila)	Notch3	56761	1,01	up
6685650	7322533	1677613	Notch homolog 3 (Drosophila)	Notch3	56761	1,13	down
6733076	7322533	1677605	Notch homolog 3 (Drosophila)	Notch3	56761	1,07	down
5818731	7064557	1042555	N-terminal asparagine amidase	Ntan1	360462	1,00	down
5819938	7064557	1042557	N-terminal asparagine amidase	Ntan1	360462	1,67	down
5848416	7064557	1042548	N-terminal asparagine amidase	Ntan1	360462	1,02	up
5883368	7064557	1042554	N-terminal asparagine amidase	Ntan1	360462	1,03	up
6043867	7064557	1042553	N-terminal asparagine amidase	Ntan1	360462	1,16	down
6192295	7064557	1042552	N-terminal asparagine amidase	Ntan1	360462	2,20	down
6332535	7064557	1042556	N-terminal asparagine amidase	Ntan1	360462	1,13	down
6341234	7064557	1042551	N-terminal asparagine amidase	Ntan1	360462	1,27	down
6453065	7064557	1042550	N-terminal asparagine amidase	Ntan1	360462	1,16	up
6526060	7064557	1042555	N-terminal asparagine amidase	Ntan1	360462	1,23	up
6613434	7064557	1042549	N-terminal asparagine amidase	Ntan1	360462	1,16	down
5637538	7246866	1489790	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,26	up
5641078	7246866	1489791	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,07	up
5760587	7246866	1489788	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,54	up
5767515	7246866	1489787	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,02	down
5854101	7246866	1489796	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,21	down

5858816	7246866	1489800	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,12	up
6173217	7246866	1489789	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,05	down
6189712	7246866	1489791	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,16	down
6224731	7246866	1489795	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,06	down
6261133	7246866	1489799	N-terminal EF-hand calcium binding protein 3	Necab3	311562	2,67	up
6291545	7246866	1489787	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,28	up
6393126	7246866	1489797	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,48	down
6594938	7246866	1489787	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,11	up
6628766	7246866	1489791	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,09	up
6685343	7246866	1489791	N-terminal EF-hand calcium binding protein 3	Necab3	311562	1,25	down
5904981	7179785	1324462	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,59	up
6071631	7179785	1324496	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	3,07	up
6181866	7179785	1324489	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	2,63	up
6265223	7179785	1324447	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,89	down
6294993	7179785	1324486	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,59	up
6500614	7179785	1324487	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,78	up
6577658	7179785	1324447	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,30	down
6604005	7179785	1324498	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,45	up
6618462	7179785	1324488	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	2,87	up
6709887	7179785	1324492	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,62	up
6716496	7179785	1324491	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,26	down
5724959	7132020	1206310	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,62	up
5759157	7132020	1206315	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	2,29	down
5898759	7132020	1206314	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,01	down
6009350	7132020	1206315	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,12	up
6046788	7132020	1206307	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,39	up
6241776	7132020	1206315	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,22	down
6284040	7132020	1206311	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,18	up
6402953	7132020	1206305	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,57	down
6415092	7132020	1206312	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	2,04	up
6419161	7132020	1206309	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,25	down
6501413	7132020	1206307	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,05	down
6506139	7132020	1206313	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	2,09	down
6519923	7132020	1206308	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,14	up
6635060	7132020	1206307	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,01	down
6723353	7132020	1206305	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,83	up
5619706	7214605	1409357	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,48	up
5644871	7214605	1409354	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,02	down
5671374	7214605	1409362	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,18	down
5906117	7214605	1409351	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,27	up
6039362	7214605	1409360	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,11	up
6051303	7214605	1409363	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,12	up
6222253	7214605	1409358	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,04	up
6465679	7214605	1409361	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,42	up
6486798	7214605	1409352	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,16	up
6661295	7214605	1409351	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,37	up
6683751	7214605	1409353	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,26	up
6724975	7214605	1409355	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,07	up
5684871	7042559	991711	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	2,54	down
5736603	7042559	991709	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,19	down
5776258	7042559	991708	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,30	up
5890464	7042559	991704	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,03	down
5916136	7042559	991714	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,45	down
5922737	7042559	991719	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	2,13	down
5962018	7042559	991701	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,21	up
6027051	7042559	991716	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,24	up

6035649	7042559	991720	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,26	down
6063623	7042559	991721	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	2,18	down
6090148	7042559	991715	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,24	down
6130506	7042559	991705	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,07	down
6178644	7042559	991702	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,23	up
6258109	7042559	991717	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,30	up
6271070	7042559	991703	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,57	up
6501307	7042559	991700	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,09	up
6505225	7042559	991722	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	2,52	down
6510523	7042559	991713	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,30	up
6572336	7042559	991707	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,47	up
6578492	7042559	991718	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,10	down
6581337	7042559	991710	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	2,32	down
6645463	7042559	991712	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,43	down
6649603	7042559	991706	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,29	up
5712101	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,49	down
5717509	7049352	1008221	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,48	up
5891222	7049352	1008226	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,59	down
5973372	7049352	1008220	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	2,30	down
6024930	7049352	1008225	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,05	up
6086334	7049352	1008223	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,81	down
6299518	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,26	up
6434233	7049352	1008226	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,28	up
6458087	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,09	up
6498560	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,12	up
6500480	7049352	1008222	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,08	down
5925774	7030454	961546	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,07	down
5966474	7030454	961547	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,20	down
6207795	7030454	961548	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,06	up
6215632	7030454	961547	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,11	down
6353661	7030454	961555	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,09	up
6354198	7030454	961548	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,25	up
6403950	7030454	961545	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,06	down
6466099	7030454	961545	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,63	down
6685369	7030454	961548	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,03	up
5631712	7329341	1693883	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,19	down
5637023	7329341	1693891	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,00	down
5687199	7329341	1693901	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	2,17	up
5687335	7329341	1693876	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,38	down
5752878	7329341	1693893	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,11	up
5807637	7329341	1693896	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,27	up
5829062	7329341	1693892	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,07	down
5835972	7329341	1693891	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,32	down
5844561	7329341	1693877	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,15	up
5984884	7329341	1693878	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,22	up
6002618	7329341	1693901	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,00	down
6013282	7329341	1693885	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,53	down
6013585	7329341	1693886	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,31	down
6015389	7329341	1693883	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,11	down
6018585	7329341	1693900	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,03	down
6056986	7329341	1693880	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,01	down
6155616	7329341	1693899	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,11	up
6167915	7329341	1693889	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,20	down
6180553	7329341	1693881	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,83	down
6225338	7329341	1693887	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,35	up
6375050	7329341	1693883	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,10	up

6390179	7329341	1693897	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,00	up
6405578	7329341	1693886	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,06	up
6421520	7329341	1693895	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,01	down
6427859	7329341	1693879	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,11	down
6457709	7329341	1693885	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	2,38	down
6513620	7329341	1693876	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,33	up
6528105	7329341	1693894	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,13	down
6550215	7329341	1693898	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,16	up
6570989	7329341	1693884	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,21	up
6580469	7329341	1693882	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,13	down
6589272	7329341	1693882	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,56	down
5761245	7034756	973232	nuclear mitotic apparatus protein 1	Numa1	308870	1,50	down
5771206	7034756	973239	nuclear mitotic apparatus protein 1	Numa1	308870	1,13	up
5782122	7034756	973233	nuclear mitotic apparatus protein 1	Numa1	308870	1,29	down
5858984	7034756	973244	nuclear mitotic apparatus protein 1	Numa1	308870	1,09	up
5959322	7034756	973230	nuclear mitotic apparatus protein 1	Numa1	308870	1,16	down
6015979	7034756	973234	nuclear mitotic apparatus protein 1	Numa1	308870	1,28	down
6041718	7034756	973241	nuclear mitotic apparatus protein 1	Numa1	308870	1,25	down
6075664	7034756	973244	nuclear mitotic apparatus protein 1	Numa1	308870	1,01	down
6110040	7034756	973241	nuclear mitotic apparatus protein 1	Numa1	308870	1,14	down
6207098	7034756	973238	nuclear mitotic apparatus protein 1	Numa1	308870	1,27	up
6439217	7034756	973229	nuclear mitotic apparatus protein 1	Numa1	308870	1,19	up
6463270	7034756	973242	nuclear mitotic apparatus protein 1	Numa1	308870	1,15	up
6563970	7034756	973244	nuclear mitotic apparatus protein 1	Numa1	308870	1,13	down
6593874	7034756	973238	nuclear mitotic apparatus protein 1	Numa1	308870	1,15	down
6598984	7034756	973240	nuclear mitotic apparatus protein 1	Numa1	308870	1,36	up
6619712	7034756	973244	nuclear mitotic apparatus protein 1	Numa1	308870	1,34	down
6650342	7034756	973234	nuclear mitotic apparatus protein 1	Numa1	308870	1,23	up
6725474	7034756	973231	nuclear mitotic apparatus protein 1	Numa1	308870	1,02	down
5714703	7336276	1710239	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,22	down
5732936	7336276	1710232	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,20	up
5743932	7336276	1710236	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,26	down
5746891	7336276	1710222	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,19	up
5760446	7336276	1710226	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,62	down
5810194	7336276	1710239	nuclear protein, ataxia-telangiectasia locus	Npat	315666	2,26	down
5862619	7336276	1710221	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,38	down
5883127	7336276	1710237	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,20	down
5931317	7336276	1710234	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,10	up
5986659	7336276	1710225	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,53	up
6010246	7336276	1710228	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,00	up
6029352	7336276	1710237	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,03	down
6042996	7336276	1710223	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,01	down
6057969	7336276	1710231	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,56	up
6072538	7336276	1710233	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,32	up
6286597	7336276	1710237	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,18	down
6324713	7336276	1710234	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,15	up
6412716	7336276	1710237	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,26	up
6414157	7336276	1710229	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,05	down
6442677	7336276	1710230	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,24	up
6513367	7336276	1710224	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,05	up
6547609	7336276	1710220	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,17	up
6613478	7336276	1710227	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,32	up
6706924	7336276	1710237	nuclear protein, ataxia-telangiectasia locus	Npat	315666	1,07	down
5668728	7098077	1122770	nuclear receptor co-repressor 2	Ncor2	360801	1,55	down
5687305	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	1,06	down
5775457	7098077	1122766	nuclear receptor co-repressor 2	Ncor2	360801	1,10	up

5790690	7098077	1122779	nuclear receptor co-repressor 2	Ncor2	360801	1,03	down
5797186	7098077	1122777	nuclear receptor co-repressor 2	Ncor2	360801	1,23	up
5804201	7098077	1122769	nuclear receptor co-repressor 2	Ncor2	360801	1,11	up
5837050	7098077	1122778	nuclear receptor co-repressor 2	Ncor2	360801	1,22	down
5850741	7098077	1122803	nuclear receptor co-repressor 2	Ncor2	360801	1,17	up
5856485	7098077	1122739	nuclear receptor co-repressor 2	Ncor2	360801	1,05	up
5857419	7098077	1122783	nuclear receptor co-repressor 2	Ncor2	360801	1,05	up
5874321	7098077	1122759	nuclear receptor co-repressor 2	Ncor2	360801	1,07	up
5918392	7098077	1122792	nuclear receptor co-repressor 2	Ncor2	360801	1,25	up
5944288	7098077	1122749	nuclear receptor co-repressor 2	Ncor2	360801	1,06	up
5978572	7098077	1122774	nuclear receptor co-repressor 2	Ncor2	360801	1,24	down
6009782	7098077	1122741	nuclear receptor co-repressor 2	Ncor2	360801	1,34	up
6036506	7098077	1122796	nuclear receptor co-repressor 2	Ncor2	360801	1,05	up
6041603	7098077	1122739	nuclear receptor co-repressor 2	Ncor2	360801	1,09	up
6047839	7098077	1122778	nuclear receptor co-repressor 2	Ncor2	360801	1,45	up
6061946	7098077	1122801	nuclear receptor co-repressor 2	Ncor2	360801	1,32	down
6072809	7098077	1122789	nuclear receptor co-repressor 2	Ncor2	360801	1,06	down
6073980	7098077	1122806	nuclear receptor co-repressor 2	Ncor2	360801	1,05	down
6080095	7098077	1122754	nuclear receptor co-repressor 2	Ncor2	360801	1,01	down
6096997	7098077	1122808	nuclear receptor co-repressor 2	Ncor2	360801	1,32	down
6153224	7098077	1122762	nuclear receptor co-repressor 2	Ncor2	360801	1,91	down
6168790	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	1,28	down
6181644	7098077	1122793	nuclear receptor co-repressor 2	Ncor2	360801	1,55	up
6210024	7098077	1122757	nuclear receptor co-repressor 2	Ncor2	360801	1,06	up
6235095	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	1,81	down
6239496	7098077	1122748	nuclear receptor co-repressor 2	Ncor2	360801	1,31	down
6273081	7098077	1122742	nuclear receptor co-repressor 2	Ncor2	360801	1,02	up
6275532	7098077	1122799	nuclear receptor co-repressor 2	Ncor2	360801	1,30	down
6319372	7098077	1122782	nuclear receptor co-repressor 2	Ncor2	360801	1,26	up
6324457	7098077	1122739	nuclear receptor co-repressor 2	Ncor2	360801	1,19	down
6337514	7098077	1122784	nuclear receptor co-repressor 2	Ncor2	360801	1,08	up
6343907	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	1,03	down
6417349	7098077	1122794	nuclear receptor co-repressor 2	Ncor2	360801	1,15	up
6440854	7098077	1122744	nuclear receptor co-repressor 2	Ncor2	360801	1,22	up
6445464	7098077	1122787	nuclear receptor co-repressor 2	Ncor2	360801	1,13	down
6452209	7098077	1122804	nuclear receptor co-repressor 2	Ncor2	360801	1,08	down
6474290	7098077	1122786	nuclear receptor co-repressor 2	Ncor2	360801	1,00	down
6487325	7098077	1122795	nuclear receptor co-repressor 2	Ncor2	360801	1,03	down
6488712	7098077	1122808	nuclear receptor co-repressor 2	Ncor2	360801	1,16	down
6519278	7098077	1122802	nuclear receptor co-repressor 2	Ncor2	360801	1,01	up
6541490	7098077	1122806	nuclear receptor co-repressor 2	Ncor2	360801	1,20	up
6543455	7098077	1122788	nuclear receptor co-repressor 2	Ncor2	360801	1,13	up
6563308	7098077	1122780	nuclear receptor co-repressor 2	Ncor2	360801	1,08	up
6570704	7098077	1122798	nuclear receptor co-repressor 2	Ncor2	360801	1,02	up
6581651	7098077	1122755	nuclear receptor co-repressor 2	Ncor2	360801	1,08	down
6606655	7098077	1122746	nuclear receptor co-repressor 2	Ncor2	360801	1,05	up
6608227	7098077	1122727	nuclear receptor co-repressor 2	Ncor2	360801	1,27	down
6623986	7098077	1122807	nuclear receptor co-repressor 2	Ncor2	360801	1,21	down
6637600	7098077	1122776	nuclear receptor co-repressor 2	Ncor2	360801	1,34	up
6664094	7098077	1122800	nuclear receptor co-repressor 2	Ncor2	360801	1,09	up
6725487	7098077	1122782	nuclear receptor co-repressor 2	Ncor2	360801	1,52	up
6725501	7098077	1122751	nuclear receptor co-repressor 2	Ncor2	360801	1,18	up
5880411	7082318	1084591	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,00	down
5886218	7082318	1084593	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,02	up
5941021	7082318	1084592	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,02	up
6013855	7082318	1084594	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,02	up

6048483	7082318	1084597	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	2,88	down
6080374	7082318	1084598	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,19	down
6467664	7082318	1084596	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,36	down
6517957	7082318	1084595	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,14	up
6566030	7082318	1084590	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,08	down
6693453	7082318	1084596	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,76	up
5633650	7313850	1656748	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,12	up
5680235	7313850	1656754	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	2,12	down
5788346	7313850	1656756	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,14	up
5824799	7313850	1656745	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,12	up
5986455	7313850	1656742	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,68	up
6085358	7313850	1656749	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,26	down
6114211	7313850	1656758	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,18	up
6132977	7313850	1656743	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,08	up
6157667	7313850	1656746	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,15	down
6185254	7313850	1656744	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	2,86	up
6196350	7313850	1656755	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,21	down
6207969	7313850	1656750	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,24	down
6276479	7313850	1656753	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,43	up
6316885	7313850	1656742	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,26	up
6395379	7313850	1656747	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,09	down
6414210	7313850	1656752	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,19	down
6432544	7313850	1656757	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	1,02	up
6610305	7313850	1656753	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,56	down
6706727	7313850	1656751	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,04	up
5714976	7201540	1379430	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,21	up
5825758	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,04	down
6042693	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,11	up
6099301	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,21	up
6116190	7201540	1379430	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	2,69	down
6312852	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,04	down
6396874	7201540	1379433	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,10	down
6493600	7201540	1379432	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,50	down
6524866	7201540	1379431	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,02	down
5807053	7239111	1471297	nuclear receptor subfamily 4, group A, member 2	Nr4a2	54278	1,68	up
5824727	7239111	1471299	nuclear receptor subfamily 4, group A, member 2	Nr4a2	54278	1,37	down
5961703	7239111	1471298	nuclear receptor subfamily 4, group A, member 2	Nr4a2	54278	1,34	down
6201497	7239111	1471295	nuclear receptor subfamily 4, group A, member 2	Nr4a2	54278	1,01	up
6213739	7239111	1471300	nuclear receptor subfamily 4, group A, member 2	Nr4a2	54278	2,13	up
6662685	7239111	1471296	nuclear receptor subfamily 4, group A, member 2	Nr4a2	54278	1,30	down
6733445	7239111	1471301	nuclear receptor subfamily 4, group A, member 2	Nr4a2	54278	1,02	up
5650109	7274931	1559718	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	2,07	down
5810306	7274931	1559719	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,32	down
5817424	7274931	1559712	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,01	up
5817700	7274931	1559715	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,19	up
5835001	7274931	1559714	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,20	down
5854145	7274931	1559721	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,53	down
5857592	7274931	1559714	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,63	down
5860683	7274931	1559715	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,16	down
5898798	7274931	1559714	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,61	down
5995865	7274931	1559711	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,55	down
6002331	7274931	1559720	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,01	up
6053681	7274931	1559711	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,09	up
6173481	7274931	1559716	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,02	up
6200966	7274931	1559712	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,92	down

6263326	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,24	up
6357381	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,59	up
6361117	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,46	up
6404664	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,84	down
6706035	7274931	1559711	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,28	up
6746188	7274931	1559713	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,70	up
5624856	7120195	1177873	nucleolar protein 14	Nol14	289724	1,05	up
5741453	7120195	1177878	nucleolar protein 14	Nol14	289724	1,01	down
5791163	7120195	1177862	nucleolar protein 14	Nol14	289724	1,15	down
5862242	7120195	1177871	nucleolar protein 14	Nol14	289724	1,20	up
5872625	7120195	1177877	nucleolar protein 14	Nol14	289724	1,35	up
5967832	7120195	1177865	nucleolar protein 14	Nol14	289724	1,28	up
6007108	7120195	1177867	nucleolar protein 14	Nol14	289724	1,09	down
6094909	7120195	1177876	nucleolar protein 14	Nol14	289724	1,26	up
6135975	7120195	1177863	nucleolar protein 14	Nol14	289724	1,07	up
6192704	7120195	1177864	nucleolar protein 14	Nol14	289724	1,02	down
6199864	7120195	1177866	nucleolar protein 14	Nol14	289724	1,17	up
6215619	7120195	1177878	nucleolar protein 14	Nol14	289724	1,15	down
6220465	7120195	1177872	nucleolar protein 14	Nol14	289724	1,08	down
6245980	7120195	1177870	nucleolar protein 14	Nol14	289724	1,20	up
6524298	7120195	1177861	nucleolar protein 14	Nol14	289724	1,15	down
6545800	7120195	1177875	nucleolar protein 14	Nol14	289724	1,08	down
6681927	7120195	1177868	nucleolar protein 14	Nol14	289724	1,15	up
6687763	7120195	1177869	nucleolar protein 14	Nol14	289724	1,13	up
6729810	7120195	1177873	nucleolar protein 14	Nol14	289724	1,02	up
5657228	7229856	1447096	nucleoporin 160	Nup160	311182	1,86	up
5665171	7229856	1447109	nucleoporin 160	Nup160	311182	1,86	down
5679825	7229856	1447101	nucleoporin 160	Nup160	311182	1,27	up
5710016	7229856	1447099	nucleoporin 160	Nup160	311182	1,93	down
5752883	7229856	1447089	nucleoporin 160	Nup160	311182	1,04	down
5808027	7229856	1447102	nucleoporin 160	Nup160	311182	2,04	up
5810128	7229856	1447108	nucleoporin 160	Nup160	311182	1,04	up
5985475	7229856	1447083	nucleoporin 160	Nup160	311182	1,20	up
6051077	7229856	1447085	nucleoporin 160	Nup160	311182	1,11	up
6058241	7229856	1447105	nucleoporin 160	Nup160	311182	1,80	down
6067090	7229856	1447088	nucleoporin 160	Nup160	311182	1,24	up
6103863	7229856	1447075	nucleoporin 160	Nup160	311182	1,05	down
6114252	7229856	1447077	nucleoporin 160	Nup160	311182	1,24	down
6138523	7229856	1447086	nucleoporin 160	Nup160	311182	1,17	up
6149177	7229856	1447087	nucleoporin 160	Nup160	311182	1,07	down
6161604	7229856	1447076	nucleoporin 160	Nup160	311182	1,21	down
6186118	7229856	1447107	nucleoporin 160	Nup160	311182	1,14	up
6237251	7229856	1447082	nucleoporin 160	Nup160	311182	1,04	down
6241529	7229856	1447093	nucleoporin 160	Nup160	311182	1,07	down
6254302	7229856	1447092	nucleoporin 160	Nup160	311182	1,20	down
6279556	7229856	1447095	nucleoporin 160	Nup160	311182	1,08	up
6282613	7229856	1447074	nucleoporin 160	Nup160	311182	1,17	up
6380152	7229856	1447106	nucleoporin 160	Nup160	311182	1,32	up
6417777	7229856	1447103	nucleoporin 160	Nup160	311182	1,45	up
6419866	7229856	1447081	nucleoporin 160	Nup160	311182	1,20	down
6436368	7229856	1447095	nucleoporin 160	Nup160	311182	1,19	up
6456992	7229856	1447104	nucleoporin 160	Nup160	311182	1,10	down
6458107	7229856	1447094	nucleoporin 160	Nup160	311182	1,48	down
6477971	7229856	1447069	nucleoporin 160	Nup160	311182	1,01	up
6483171	7229856	1447109	nucleoporin 160	Nup160	311182	1,42	down
6511888	7229856	1447068	nucleoporin 160	Nup160	311182	1,20	down

6559290	7229856	1447097	nucleoporin 160	Nup160	311182	1,06	down
6584865	7229856	1447090	nucleoporin 160	Nup160	311182	1,09	up
6585657	7229856	1447069	nucleoporin 160	Nup160	311182	1,86	down
6618101	7229856	1447071	nucleoporin 160	Nup160	311182	1,27	down
6628407	7229856	1447098	nucleoporin 160	Nup160	311182	1,18	up
6642082	7229856	1447091	nucleoporin 160	Nup160	311182	1,45	up
6664645	7229856	1447100	nucleoporin 160	Nup160	311182	1,33	up
5619912	7267234	1539993	nucleoporin 210	Nup210	58958	1,10	up
5624632	7267234	1539958	nucleoporin 210	Nup210	58958	1,24	up
5647521	7267234	1539991	nucleoporin 210	Nup210	58958	1,08	up
5674064	7267234	1539978	nucleoporin 210	Nup210	58958	1,62	down
5695162	7267234	1539979	nucleoporin 210	Nup210	58958	1,29	down
5730150	7267234	1539960	nucleoporin 210	Nup210	58958	1,08	down
5757344	7267234	1539974	nucleoporin 210	Nup210	58958	1,10	up
5784859	7267234	1539964	nucleoporin 210	Nup210	58958	1,48	up
5835000	7267234	1539973	nucleoporin 210	Nup210	58958	1,30	up
5860230	7267234	1539985	nucleoporin 210	Nup210	58958	1,08	up
5892949	7267234	1539996	nucleoporin 210	Nup210	58958	1,05	down
5913590	7267234	1539959	nucleoporin 210	Nup210	58958	1,09	down
5936929	7267234	1539986	nucleoporin 210	Nup210	58958	1,16	up
6001161	7267234	1539989	nucleoporin 210	Nup210	58958	1,31	down
6001509	7267234	1539980	nucleoporin 210	Nup210	58958	1,00	up
6079931	7267234	1539988	nucleoporin 210	Nup210	58958	1,02	down
6095349	7267234	1539969	nucleoporin 210	Nup210	58958	1,77	up
6138985	7267234	1539957	nucleoporin 210	Nup210	58958	1,27	down
6144398	7267234	1539967	nucleoporin 210	Nup210	58958	1,45	down
6147945	7267234	1539995	nucleoporin 210	Nup210	58958	1,04	up
6173094	7267234	1539963	nucleoporin 210	Nup210	58958	1,05	down
6178420	7267234	1539989	nucleoporin 210	Nup210	58958	2,34	up
6188115	7267234	1539968	nucleoporin 210	Nup210	58958	1,18	down
6210768	7267234	1539956	nucleoporin 210	Nup210	58958	1,05	up
6228547	7267234	1539961	nucleoporin 210	Nup210	58958	1,04	up
6257382	7267234	1539960	nucleoporin 210	Nup210	58958	1,58	down
6260496	7267234	1539965	nucleoporin 210	Nup210	58958	1,05	up
6341038	7267234	1539984	nucleoporin 210	Nup210	58958	1,12	up
6343986	7267234	1539992	nucleoporin 210	Nup210	58958	1,47	down
6453517	7267234	1539972	nucleoporin 210	Nup210	58958	1,26	up
6464338	7267234	1539982	nucleoporin 210	Nup210	58958	1,16	up
6478793	7267234	1539970	nucleoporin 210	Nup210	58958	1,11	up
6491760	7267234	1539976	nucleoporin 210	Nup210	58958	1,36	up
6501903	7267234	1539994	nucleoporin 210	Nup210	58958	1,42	up
6529474	7267234	1539981	nucleoporin 210	Nup210	58958	1,24	down
6547820	7267234	1539979	nucleoporin 210	Nup210	58958	1,13	up
6551135	7267234	1539962	nucleoporin 210	Nup210	58958	1,10	up
6553767	7267234	1539990	nucleoporin 210	Nup210	58958	1,33	up
6607154	7267234	1539977	nucleoporin 210	Nup210	58958	1,15	down
6630394	7267234	1539987	nucleoporin 210	Nup210	58958	1,10	up
6645819	7267234	1539971	nucleoporin 210	Nup210	58958	1,20	up
6661213	7267234	1539955	nucleoporin 210	Nup210	58958	1,14	down
6715315	7267234	1539966	nucleoporin 210	Nup210	58958	1,06	up
6722207	7267234	1539983	nucleoporin 210	Nup210	58958	1,24	up
6737531	7267234	1539975	nucleoporin 210	Nup210	58958	1,14	down
6662167	7226241	1437812	nucleoporin 214	Nup214	296634	1,06	up
5654036	7116912	1169500	nucleoporin 54	Nup54	53372	1,09	down
5679153	7116912	1169502	nucleoporin 54	Nup54	53372	2,04	down
5804787	7116912	1169489	nucleoporin 54	Nup54	53372	1,41	down

5917827	7116912	1169502	nucleoporin 54	Nup54	53372	1,18	up
5994441	7116912	1169493	nucleoporin 54	Nup54	53372	1,26	down
6154436	7116912	1169490	nucleoporin 54	Nup54	53372	1,11	up
6196760	7116912	1169498	nucleoporin 54	Nup54	53372	1,39	up
6206302	7116912	1169491	nucleoporin 54	Nup54	53372	1,19	up
6301246	7116912	1169501	nucleoporin 54	Nup54	53372	1,05	down
6303936	7116912	1169496	nucleoporin 54	Nup54	53372	1,13	down
6463960	7116912	1169489	nucleoporin 54	Nup54	53372	1,00	down
6492285	7116912	1169491	nucleoporin 54	Nup54	53372	1,25	up
6511858	7116912	1169497	nucleoporin 54	Nup54	53372	1,14	down
6549956	7116912	1169492	nucleoporin 54	Nup54	53372	1,01	down
6630831	7116912	1169494	nucleoporin 54	Nup54	53372	1,09	down
6669410	7116912	1169495	nucleoporin 54	Nup54	53372	1,20	up
6740698	7116912	1169499	nucleoporin 54	Nup54	53372	1,22	down
5657933	7260553	1524110	nucleoporin like 2	Nup12	499974	1,07	down
5678268	7260553	1524114	nucleoporin like 2	Nup12	499974	1,02	up
5753095	7260553	1524107	nucleoporin like 2	Nup12	499974	1,20	down
5795794	7260553	1524109	nucleoporin like 2	Nup12	499974	1,02	up
6042770	7260553	1524112	nucleoporin like 2	Nup12	499974	1,03	down
6053103	7260553	1524115	nucleoporin like 2	Nup12	499974	1,65	down
6087525	7260553	1524108	nucleoporin like 2	Nup12	499974	1,39	up
6186893	7260553	1524108	nucleoporin like 2	Nup12	499974	1,08	down
6221995	7260553	1524108	nucleoporin like 2	Nup12	499974	1,17	up
6525737	7260553	1524111	nucleoporin like 2	Nup12	499974	1,16	up
6700220	7260553	1524115	nucleoporin like 2	Nup12	499974	1,25	up
5733198	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,25	up
5876164	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,61	down
5902514	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,09	down
5948682	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,40	down
6141675	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,19	up
6151138	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,56	up
6206412	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,73	up
6224543	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	2,03	up
6394541	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,14	up
6444906	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,63	down
6500865	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,51	down
5672581	7207758	1393831	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,02	down
5937125	7207758	1393828	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,59	up
6108256	7207758	1393831	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,00	down
6149093	7207758	1393831	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,09	up
6342659	7207758	1393827	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,03	up
6377540	7207758	1393830	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	2,13	down
6382563	7207758	1393830	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,12	up
6417896	7207758	1393829	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,84	down
6440910	7207758	1393827	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,14	up
6661499	7207758	1393831	nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudt6	207120	1,32	down
5862441	7220465	1424161	nurim (nuclear envelope membrane protein)	Nrm	361791	1,17	down
5973594	7220465	1424163	nurim (nuclear envelope membrane protein)	Nrm	361791	2,19	up
6413160	7220465	1424158	nurim (nuclear envelope membrane protein)	Nrm	361791	1,03	up
6463281	7220465	1424162	nurim (nuclear envelope membrane protein)	Nrm	361791	2,19	down
6552040	7220465	1424160	nurim (nuclear envelope membrane protein)	Nrm	361791	1,13	down
6670383	7220465	1424159	nurim (nuclear envelope membrane protein)	Nrm	361791	1,29	down
6695303	7220465	1424157	nurim (nuclear envelope membrane protein)	Nrm	361791	1,04	up
5631849	7379492	1819698	nyctalopin	Nyx	302516	1,13	up
5791391	7379492	1819688	nyctalopin	Nyx	302516	1,03	down
6175063	7379492	1819689	nyctalopin	Nyx	302516	2,48	up

6269140	7379492	1819689	nyctalopin	Nyx	302516	1,00	down
6502619	7379492	1819689	nyctalopin	Nyx	302516	2,42	down
5801132	7344635	1731968	OAF homolog (Drosophila)	Oaf	315594	1,08	down
5916149	7344635	1731968	OAF homolog (Drosophila)	Oaf	315594	1,32	down
6157603	7344635	1731966	OAF homolog (Drosophila)	Oaf	315594	1,24	up
6389303	7344635	1731967	OAF homolog (Drosophila)	Oaf	315594	2,07	up
6587592	7344635	1731968	OAF homolog (Drosophila)	Oaf	315594	1,14	down
6593709	7344635	1731965	OAF homolog (Drosophila)	Oaf	315594	1,31	up
6627741	7344635	1731964	OAF homolog (Drosophila)	Oaf	315594	1,32	down
5827660	7240232	1474412	Obg-like ATPase 1	Ola1	296488	1,39	down
6196203	7240232	1474418	Obg-like ATPase 1	Ola1	296488	1,85	down
6341541	7240232	1474432	Obg-like ATPase 1	Ola1	296488	1,75	down
6368588	7240232	1474419	Obg-like ATPase 1	Ola1	296488	1,63	up
6383958	7240232	1474409	Obg-like ATPase 1	Ola1	296488	1,25	up
6434294	7240232	1474408	Obg-like ATPase 1	Ola1	296488	1,53	up
6572466	7240232	1474411	Obg-like ATPase 1	Ola1	296488	1,37	up
6581284	7240232	1474408	Obg-like ATPase 1	Ola1	296488	1,07	down
6588423	7240232	1474431	Obg-like ATPase 1	Ola1	296488	1,21	up
6607206	7240232	1474420	Obg-like ATPase 1	Ola1	296488	1,02	up
6655231	7240232	1474429	Obg-like ATPase 1	Ola1	296488	1,29	up
6720789	7240232	1474428	Obg-like ATPase 1	Ola1	296488	1,07	up
5638701	7225328	1435391	odorant binding protein 2B	Obp2b	286933	1,31	up
5743918	7225328	1435393	odorant binding protein 2B	Obp2b	286933	1,21	up
5783287	7225328	1435392	odorant binding protein 2B	Obp2b	286933	1,18	up
6303312	7225328	1435390	odorant binding protein 2B	Obp2b	286933	2,70	down
6379838	7225328	1435396	odorant binding protein 2B	Obp2b	286933	1,01	down
6559653	7225328	1435395	odorant binding protein 2B	Obp2b	286933	1,04	up
6643282	7225328	1435390	odorant binding protein 2B	Obp2b	286933	1,00	up
6720174	7225328	1435394	odorant binding protein 2B	Obp2b	286933	1,40	down
5920167	7034293	971996	odz, odd Oz/ten-m homolog 4 (Drosophila)	Odz4	308831	1,11	down
6023558	7034293	971819	odz, odd Oz/ten-m homolog 4 (Drosophila)	Odz4	308831	1,14	down
6306097	7034293	971831	odz, odd Oz/ten-m homolog 4 (Drosophila)	Odz4	308831	1,28	down
5811110	7334987	1707175	olfactory receptor 1259	Olr1259	300581	1,19	up
6245593	7334987	1707175	olfactory receptor 1259	Olr1259	300581	2,41	up
6429882	7334987	1707175	olfactory receptor 1259	Olr1259	300581	1,47	down
6431261	7334987	1707175	olfactory receptor 1259	Olr1259	300581	1,04	up
5733473	7216309	1413743	olfactory receptor 1748	Olr1748	405199	1,17	down
6334613	7216309	1413742	olfactory receptor 1748	Olr1748	405199	3,33	up
6023785	7226609	1438897	olfactory receptor 400	Olr400	296661	1,01	up
6109040	7226609	1438896	olfactory receptor 400	Olr400	296661	1,19	down
6165741	7226609	1438897	olfactory receptor 400 /// olfactory receptor 403	Olr400 /// Olr403	296661 /// 296666	2,09	up
5717595	7034855	973426	olfactory receptor 59	Olr59	170816	1,16	down
5913896	7034855	973429	olfactory receptor 59	Olr59	170816	1,52	down
5986536	7034855	973427	olfactory receptor 59	Olr59	170816	2,28	down
6236078	7034855	973428	olfactory receptor 59	Olr59	170816	1,07	down
6278448	7034855	973425	olfactory receptor 59	Olr59	170816	1,75	down
6406435	7034855	973430	olfactory receptor 59	Olr59	170816	1,35	up
6744675	7034855	973428	olfactory receptor 59	Olr59	170816	1,15	down
5698568	7063484	1039573	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,28	up
5707115	7063484	1039579	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,25	down
5833730	7063484	1039578	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,64	up
5952746	7063484	1039579	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,14	up
5980821	7063484	1039574	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,58	down
6107204	7063484	1039574	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,01	up
6202471	7063484	1039580	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,13	up
6419867	7063484	1039582	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,08	up

6463334	7063484	1039575	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,20	up
6548840	7063484	1039583	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,43	down
6700606	7063484	1039577	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,14	up
6721077	7063484	1039576	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	1,50	up
6741593	7063484	1039581	oligonucleotide/oligosaccharide-binding fold containing 1	Obfc1	294025	2,05	up
5637083	7204770	1386677	oncostatin M receptor	Osmr	310132	1,29	down
5822375	7204770	1386668	oncostatin M receptor	Osmr	310132	1,46	up
5869296	7204770	1386670	oncostatin M receptor	Osmr	310132	1,41	down
5942700	7204770	1386665	oncostatin M receptor	Osmr	310132	1,39	up
5947126	7204770	1386671	oncostatin M receptor	Osmr	310132	2,14	down
5988755	7204770	1386666	oncostatin M receptor	Osmr	310132	1,05	down
6040049	7204770	1386663	oncostatin M receptor	Osmr	310132	1,47	up
6115102	7204770	1386675	oncostatin M receptor	Osmr	310132	1,10	down
6291398	7204770	1386678	oncostatin M receptor	Osmr	310132	3,40	down
6331396	7204770	1386667	oncostatin M receptor	Osmr	310132	1,42	up
6373654	7204770	1386672	oncostatin M receptor	Osmr	310132	1,61	down
6457305	7204770	1386662	oncostatin M receptor	Osmr	310132	1,28	up
6496371	7204770	1386674	oncostatin M receptor	Osmr	310132	1,08	up
6522120	7204770	1386664	oncostatin M receptor	Osmr	310132	2,12	up
6531518	7204770	1386668	oncostatin M receptor	Osmr	310132	1,07	up
6586488	7204770	1386669	oncostatin M receptor	Osmr	310132	1,11	up
6607922	7204770	1386677	oncostatin M receptor	Osmr	310132	1,02	up
6614613	7204770	1386676	oncostatin M receptor	Osmr	310132	1,92	down
6672221	7204770	1386673	oncostatin M receptor	Osmr	310132	1,31	up
5879705	7111244	1155385	opticin	Optc	304802	1,07	up
5934391	7111244	1155390	opticin	Optc	304802	1,17	down
5953587	7111244	1155388	opticin	Optc	304802	1,54	down
5996386	7111244	1155386	opticin	Optc	304802	1,28	up
6111159	7111244	1155389	opticin	Optc	304802	1,18	up
6205184	7111244	1155392	opticin	Optc	304802	1,06	down
6330187	7111244	1155385	opticin	Optc	304802	1,01	up
6424007	7111244	1155384	opticin	Optc	304802	1,09	down
6579644	7111244	1155386	opticin	Optc	304802	1,15	down
5645871	7374630	1808314	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,09	up
5794614	7374630	1808329	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,17	up
5802027	7374630	1808335	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	3,11	up
5861711	7374630	1808332	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,18	up
5894410	7374630	1808331	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,14	down
5945549	7374630	1808321	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,10	up
5965981	7374630	1808324	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,37	up
5973416	7374630	1808318	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,09	up
5994971	7374630	1808333	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,04	up
6042806	7374630	1808328	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,21	down
6172509	7374630	1808330	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,05	up
6218012	7374630	1808316	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,17	down
6220516	7374630	1808319	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,17	up
6228969	7374630	1808331	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,00	up
6265352	7374630	1808336	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,15	up
6292281	7374630	1808323	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,04	down
6301738	7374630	1808326	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,03	down
6346815	7374630	1808325	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,18	down
6363802	7374630	1808314	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,11	down
6494682	7374630	1808317	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,60	down
6507336	7374630	1808322	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,13	down
6541586	7374630	1808339	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,24	up
6567306	7374630	1808337	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,31	down

6630626	7374630	1808327	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,03	up
6698634	7374630	1808334	oral-facial-digital syndrome 1 gene homolog (human)	Ofd1	302661	1,58	up
5877279	7279499	1571836	organic solute carrier protein 1	Oscp1	362595	1,30	down
5960716	7279499	1571832	organic solute carrier protein 1	Oscp1	362595	1,24	up
5997386	7279499	1571826	organic solute carrier protein 1	Oscp1	362595	1,25	up
6250444	7279499	1571830	organic solute carrier protein 1	Oscp1	362595	1,19	down
6298264	7279499	1571818	organic solute carrier protein 1	Oscp1	362595	1,04	up
6345500	7279499	1571834	organic solute carrier protein 1	Oscp1	362595	1,63	up
6360349	7279499	1571827	organic solute carrier protein 1	Oscp1	362595	1,45	up
6367228	7279499	1571831	organic solute carrier protein 1	Oscp1	362595	1,59	down
6463739	7279499	1571824	organic solute carrier protein 1	Oscp1	362595	1,66	down
6637536	7279499	1571835	organic solute carrier protein 1	Oscp1	362595	1,01	up
6658800	7279499	1571818	organic solute carrier protein 1	Oscp1	362595	1,35	up
6670755	7279499	1571837	organic solute carrier protein 1	Oscp1	362595	1,95	up
6691472	7279499	1571834	organic solute carrier protein 1	Oscp1	362595	1,04	up
5680291	7362540	1775660	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,06	down
5687851	7362540	1775661	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,01	down
5958367	7362540	1775656	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,07	down
5960857	7362540	1775665	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,02	down
5965325	7362540	1775672	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,16	up
5988522	7362540	1775657	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,14	up
6158406	7362540	1775659	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,05	up
6175557	7362540	1775664	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,41	down
6185154	7362540	1775669	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,05	down
6229032	7362540	1775662	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,21	down
6298142	7362540	1775663	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,02	up
6333477	7362540	1775668	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,21	up
6434165	7362540	1775665	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,05	down
6513445	7362540	1775658	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,01	up
6539681	7362540	1775669	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,01	up
6570380	7362540	1775667	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,00	down
6575546	7362540	1775671	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,01	down
6615982	7362540	1775670	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	2,28	down
6718405	7362540	1775666	origin recognition complex, subunit 2-like (yeast)	Orc2l	301430	1,29	down
5636653	7249784	1496892	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,06	up
5748629	7249784	1496905	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,20	down
5782469	7249784	1496899	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,23	up
5861815	7249784	1496894	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,24	down
5909348	7249784	1496905	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,23	up
6126196	7249784	1496893	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,41	up
6131939	7249784	1496905	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,12	up
6269483	7249784	1496897	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,21	down
6296923	7249784	1496895	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,10	up
6332264	7249784	1496905	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	2,18	down
6352467	7249784	1496902	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,39	up
6418071	7249784	1496901	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,32	up
6485113	7249784	1496900	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	2,30	down
6517815	7249784	1496904	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,35	down
6520915	7249784	1496896	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,30	up
6521822	7249784	1496898	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,05	up
6676221	7249784	1496903	origin recognition complex, subunit 5-like (yeast)	Orc5l	362304	1,03	down
5701857	7321465	1675744	ORM1-like 2 (S. cerevisiae)	Ormdl2	288783	1,09	up
5759715	7321465	1675744	ORM1-like 2 (S. cerevisiae)	Ormdl2	288783	1,18	up
5850968	7321465	1675744	ORM1-like 2 (S. cerevisiae)	Ormdl2	288783	1,99	down
6165328	7321465	1675749	ORM1-like 2 (S. cerevisiae)	Ormdl2	288783	1,46	up
6243058	7321465	1675744	ORM1-like 2 (S. cerevisiae)	Ormdl2	288783	2,01	down

6275181	7321465	1675744	ORM1-like 2 (<i>S. cerevisiae</i>)	Ormdl2	288783	1,32	down
6331579	7321465	1675744	ORM1-like 2 (<i>S. cerevisiae</i>)	Ormdl2	288783	1,14	down
5679083	7057992	1026927	ornithine aminotransferase (gyrate atrophy)	Oat	64313	2,34	down
5901513	7057992	1026921	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,32	down
6069167	7057992	1026919	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,02	down
6121340	7057992	1026928	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,48	down
6173026	7057992	1026924	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,01	down
6217869	7057992	1026922	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,22	up
6224354	7057992	1026918	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,04	down
6231470	7057992	1026923	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,42	up
6344482	7057992	1026925	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,04	up
6588786	7057992	1026926	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,02	up
6618919	7057992	1026920	ornithine aminotransferase (gyrate atrophy)	Oat	64313	1,27	down
6418725	7036412	976848	otoancorin	Otoa	499260	1,36	up
5654071	7032395	966595	OTU domain containing 7A	Otud7a	309252	1,36	down
5723493	7032395	966612	OTU domain containing 7A	Otud7a	309252	1,46	up
5827419	7032395	966627	OTU domain containing 7A	Otud7a	309252	1,06	up
5896022	7032395	966628	OTU domain containing 7A	Otud7a	309252	1,13	down
5923174	7032395	966593	OTU domain containing 7A	Otud7a	309252	1,71	down
5924827	7032395	966611	OTU domain containing 7A	Otud7a	309252	1,17	up
5969552	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,03	down
5989425	7032395	966627	OTU domain containing 7A	Otud7a	309252	1,32	down
6031099	7032395	966622	OTU domain containing 7A	Otud7a	309252	1,11	up
6092428	7032395	966629	OTU domain containing 7A	Otud7a	309252	1,06	down
6106040	7032395	966587	OTU domain containing 7A	Otud7a	309252	1,15	down
6109437	7032395	966601	OTU domain containing 7A	Otud7a	309252	1,23	up
6135108	7032395	966627	OTU domain containing 7A	Otud7a	309252	1,09	down
6180470	7032395	966613	OTU domain containing 7A	Otud7a	309252	2,25	up
6223275	7032395	966602	OTU domain containing 7A	Otud7a	309252	1,09	up
6259806	7032395	966587	OTU domain containing 7A	Otud7a	309252	1,21	up
6479557	7032395	966615	OTU domain containing 7A	Otud7a	309252	1,03	down
6506786	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,43	down
6519715	7032395	966608	OTU domain containing 7A	Otud7a	309252	1,14	up
6569546	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,10	down
6580316	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,24	down
6600136	7032395	966621	OTU domain containing 7A	Otud7a	309252	1,14	up
5680161	7236188	1463907	oxysterol binding protein-like 2	Osbpl2	296461	2,28	down
5696564	7236188	1463908	oxysterol binding protein-like 2	Osbpl2	296461	1,16	down
5715301	7236188	1463904	oxysterol binding protein-like 2	Osbpl2	296461	1,34	down
5781586	7236188	1463901	oxysterol binding protein-like 2	Osbpl2	296461	1,22	up
5785729	7236188	1463909	oxysterol binding protein-like 2	Osbpl2	296461	1,10	down
6003576	7236188	1463898	oxysterol binding protein-like 2	Osbpl2	296461	1,06	up
6021312	7236188	1463900	oxysterol binding protein-like 2	Osbpl2	296461	1,02	down
6038629	7236188	1463905	oxysterol binding protein-like 2	Osbpl2	296461	1,26	down
6048805	7236188	1463901	oxysterol binding protein-like 2	Osbpl2	296461	1,38	down
6063458	7236188	1463906	oxysterol binding protein-like 2	Osbpl2	296461	1,10	up
6087211	7236188	1463903	oxysterol binding protein-like 2	Osbpl2	296461	1,28	up
6117823	7236188	1463896	oxysterol binding protein-like 2	Osbpl2	296461	1,09	down
6424711	7236188	1463902	oxysterol binding protein-like 2	Osbpl2	296461	1,11	up
6440696	7236188	1463897	oxysterol binding protein-like 2	Osbpl2	296461	1,34	up
6474472	7236188	1463908	oxysterol binding protein-like 2	Osbpl2	296461	1,38	down
6506119	7236188	1463899	oxysterol binding protein-like 2	Osbpl2	296461	1,18	up
6544187	7236188	1463896	oxysterol binding protein-like 2	Osbpl2	296461	1,03	down
5642244	7071681	1060277	oxysterol binding protein-like 7	Osbpl7	303497	1,18	down
5840827	7071681	1060277	oxysterol binding protein-like 7	Osbpl7	303497	2,57	up
5926248	7071681	1060283	oxysterol binding protein-like 7	Osbpl7	303497	1,05	down

6013067	7071681	1060275	oxysterol binding protein-like 7	Osbpl7	303497	1,75	up
6145645	7071681	1060282	oxysterol binding protein-like 7	Osbpl7	303497	1,44	up
6184678	7071681	1060284	oxysterol binding protein-like 7	Osbpl7	303497	1,14	down
6222890	7071681	1060283	oxysterol binding protein-like 7	Osbpl7	303497	1,05	down
6290634	7071681	1060278	oxysterol binding protein-like 7	Osbpl7	303497	1,18	up
6445051	7071681	1060281	oxysterol binding protein-like 7	Osbpl7	303497	1,16	up
6572351	7071681	1060278	oxysterol binding protein-like 7	Osbpl7	303497	1,12	down
6613898	7071681	1060283	oxysterol binding protein-like 7	Osbpl7	303497	1,04	up
6631647	7071681	1060280	oxysterol binding protein-like 7	Osbpl7	303497	1,53	down
5692938	7380381	1821554	p21 (CDKN1A)-activated kinase 3	Pak3	29433	2,13	up
5706820	7380381	1821545	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,09	down
5735272	7380381	1821547	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,74	down
5760596	7380381	1821544	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,78	down
5770558	7380381	1821554	p21 (CDKN1A)-activated kinase 3	Pak3	29433	2,90	up
5918893	7380381	1821548	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,23	up
5926553	7380381	1821540	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,25	up
5936640	7380381	1821543	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,21	down
5937484	7380381	1821549	p21 (CDKN1A)-activated kinase 3	Pak3	29433	2,50	up
6117542	7380381	1821551	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,28	down
6263558	7380381	1821550	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,07	up
6269970	7380381	1821544	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,05	up
6312625	7380381	1821552	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,13	down
6394776	7380381	1821546	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,89	up
6495247	7380381	1821542	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,21	up
6551649	7380381	1821541	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,47	down
6596304	7380381	1821553	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,17	down
5637453	7351951	1749856	p53-associated parkin-like cytoplasmic protein	Parc	316228	1,06	up
5705872	7236631	1464854	paired box 8	Pax8	81819	1,08	down
5732366	7236631	1464845	paired box 8	Pax8	81819	1,07	down
5758784	7236631	1464844	paired box 8	Pax8	81819	1,39	up
5870196	7236631	1464844	paired box 8	Pax8	81819	1,27	up
5914943	7236631	1464844	paired box 8	Pax8	81819	1,19	up
5928966	7236631	1464855	paired box 8	Pax8	81819	1,21	down
5931186	7236631	1464848	paired box 8	Pax8	81819	1,28	up
6008186	7236631	1464844	paired box 8	Pax8	81819	1,29	down
6098139	7236631	1464847	paired box 8	Pax8	81819	1,08	down
6281432	7236631	1464851	paired box 8	Pax8	81819	1,02	up
6293255	7236631	1464853	paired box 8	Pax8	81819	1,83	down
6294532	7236631	1464853	paired box 8	Pax8	81819	1,59	up
6338603	7236631	1464849	paired box 8	Pax8	81819	1,24	down
6387010	7236631	1464850	paired box 8	Pax8	81819	2,01	up
6527044	7236631	1464854	paired box 8	Pax8	81819	1,86	down
6635493	7236631	1464846	paired box 8	Pax8	81819	1,10	up
6722929	7236631	1464852	paired box 8	Pax8	81819	1,58	down
5780885	7155441	1264357	paired-like homeodomain 1	Pitx1	113983	1,08	up
6002627	7155441	1264355	paired-like homeodomain 1	Pitx1	113983	1,09	down
6289895	7155441	1264357	paired-like homeodomain 1	Pitx1	113983	3,33	up
6347903	7155441	1264354	paired-like homeodomain 1	Pitx1	113983	1,30	down
6731097	7155441	1264356	paired-like homeodomain 1	Pitx1	113983	1,10	down
5902066	7038669	982193	pan hematopoietic expression	Phemx	365390	1,51	up
6270720	7038669	982192	pan hematopoietic expression	Phemx	365390	1,68	down
6290543	7038669	982182	pan hematopoietic expression	Phemx	365390	1,12	up
6361492	7038669	982181	pan hematopoietic expression	Phemx	365390	1,04	down
6390304	7038669	982189	pan hematopoietic expression	Phemx	365390	1,02	up
6602941	7038669	982193	pan hematopoietic expression	Phemx	365390	1,06	up
6657775	7038669	982190	pan hematopoietic expression	Phemx	365390	1,05	down

6667455	7038669	982181	pan hematopoietic expression	Phemx	365390	1,01	down
5699048	7311793	1651703	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,00	up
5712894	7311793	1651710	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,11	up
5746534	7311793	1651718	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,18	up
5761946	7311793	1651716	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,09	up
5829721	7311793	1651715	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,76	down
5860749	7311793	1651719	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,04	up
5971928	7311793	1651711	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,29	down
6001439	7311793	1651709	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,25	down
6103685	7311793	1651714	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,15	down
6120738	7311793	1651718	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,26	down
6168407	7311793	1651707	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,15	up
6198259	7311793	1651724	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,14	down
6229101	7311793	1651725	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	2,22	down
6281890	7311793	1651712	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,12	up
6305381	7311793	1651704	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,00	up
6327137	7311793	1651723	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,11	down
6338494	7311793	1651725	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,19	down
6379132	7311793	1651702	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,42	up
6402509	7311793	1651706	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,44	up
6405396	7311793	1651713	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,26	up
6434465	7311793	1651720	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,15	down
6474385	7311793	1651717	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,17	up
6536668	7311793	1651702	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,19	up
6652706	7311793	1651724	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,35	down
6653543	7311793	1651705	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,24	up
6658587	7311793	1651722	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,07	up
6667386	7311793	1651708	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,20	up
6709644	7311793	1651721	PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	Pan2	408200	1,12	down
5663025	7282155	1578263	pantothenate kinase 4	Pank4	171053	1,12	down
5784938	7282155	1578269	pantothenate kinase 4	Pank4	171053	1,19	up
5854619	7282155	1578266	pantothenate kinase 4	Pank4	171053	1,05	down
5933016	7282155	1578265	pantothenate kinase 4	Pank4	171053	1,03	down
5942628	7282155	1578264	pantothenate kinase 4	Pank4	171053	1,19	down
5950697	7282155	1578255	pantothenate kinase 4	Pank4	171053	1,51	down
5961427	7282155	1578262	pantothenate kinase 4	Pank4	171053	1,07	down
5963985	7282155	1578257	pantothenate kinase 4	Pank4	171053	1,37	down
6067047	7282155	1578260	pantothenate kinase 4	Pank4	171053	1,13	up
6278043	7282155	1578272	pantothenate kinase 4	Pank4	171053	1,16	up
6355094	7282155	1578261	pantothenate kinase 4	Pank4	171053	1,18	up
6507142	7282155	1578268	pantothenate kinase 4	Pank4	171053	1,58	down
6541896	7282155	1578271	pantothenate kinase 4	Pank4	171053	1,03	down
6624566	7282155	1578267	pantothenate kinase 4	Pank4	171053	1,38	down
6714429	7282155	1578256	pantothenate kinase 4	Pank4	171053	1,09	down
6729022	7282155	1578270	pantothenate kinase 4	Pank4	171053	2,28	up
6741699	7282155	1578259	pantothenate kinase 4	Pank4	171053	1,04	up
6745913	7282155	1578258	pantothenate kinase 4	Pank4	171053	1,12	up
5624732	7182193	1330991	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,17	up
5699198	7182193	1331001	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,05	down
5715046	7182193	1330997	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,15	down
5739745	7182193	1330993	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,32	up
5756509	7182193	1331014	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,12	up
5788368	7182193	1330999	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,14	down
5798838	7182193	1330992	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,02	up
5840586	7182193	1331010	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,07	up
5842476	7182193	1331012	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,26	down

5913358	7182193	1330994	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,39	up
6011357	7182193	1331009	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,11	down
6038069	7182193	1331014	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	3,32	down
6059407	7182193	1331000	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,02	up
6081773	7182193	1330990	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,40	up
6110432	7182193	1331015	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,10	up
6163604	7182193	1331015	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,26	down
6177779	7182193	1331013	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,03	down
6188010	7182193	1330996	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,04	down
6197007	7182193	1331006	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,01	down
6201007	7182193	1331008	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	2,63	down
6274650	7182193	1331007	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,04	down
6322481	7182193	1331011	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,34	down
6322670	7182193	1331008	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	2,33	down
6369938	7182193	1331003	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,03	down
6388034	7182193	1330995	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,35	down
6430681	7182193	1331011	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,47	up
6467714	7182193	1331002	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,35	up
6598065	7182193	1330998	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,24	down
6598823	7182193	1330993	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,17	up
6615266	7182193	1331004	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,16	up
6727050	7182193	1331005	par-3 (partitioning defective 3) homolog (C. elegans)	Pard3	81918	1,10	up
5933962	7269588	1546138	parathymosin	Ptms	83801	1,12	up
5946390	7269588	1546140	parathymosin	Ptms	83801	3,07	up
6338617	7269588	1546139	parathymosin	Ptms	83801	1,46	down
6476122	7269588	1546141	parathymosin	Ptms	83801	1,16	up
6626702	7269588	1546137	parathymosin	Ptms	83801	1,01	down
5668437	7356001	1759919	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,15	down
5764926	7356001	1759926	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,35	down
5822963	7356001	1759929	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,25	up
5848405	7356001	1759920	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,12	down
5934361	7356001	1759933	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,29	up
6099929	7356001	1759927	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,01	up
6299844	7356001	1759931	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,10	up
6338912	7356001	1759923	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,09	up
6358733	7356001	1759919	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,23	up
6391544	7356001	1759930	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,38	up
6479567	7356001	1759932	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,23	down
6517176	7356001	1759924	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,26	down
6552845	7356001	1759920	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,04	up
6568451	7356001	1759925	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,29	down
6589933	7356001	1759928	paroxysmal nonkinesiogenic dyskinesia	Pnkd	100188944	1,20	down
5742624	7128434	1197437	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,03	up
5875169	7128434	1197440	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,02	up
5950151	7128434	1197437	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,16	down
5995961	7128434	1197444	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,06	up
6046222	7128434	1197442	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,28	up
6112196	7128434	1197441	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,04	up
6155480	7128434	1197443	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,19	up
6466354	7128434	1197439	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	1,09	down
6656701	7128434	1197438	partner of NOB1 homolog (S. cerevisiae)	Pno1	289809	2,09	up
5634242	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,82	down
5734906	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,79	up
5769638	7249388	1495901	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,07	down
5790955	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,88	up
5831597	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,24	up

5831703	7249388	1495893	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,10	up
5856640	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,23	up
5930958	7249388	1495891	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,11	up
5947702	7249388	1495902	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	2,23	down
5989007	7249388	1495883	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,51	up
6007140	7249388	1495903	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,11	up
6007971	7249388	1495908	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,15	up
6020841	7249388	1495889	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	1,11	down
6130208	7249388	1495891	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,55	down
6141195	7249388	1495905	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,31	down
6160204	7249388	1495904	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,02	up
6171551	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,13	up
6208103	7249388	1495898	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,12	down
6281294	7249388	1495900	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,02	up
6288520	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,16	up
6317784	7249388	1495896	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,04	down
6325958	7249388	1495895	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,11	down
6345433	7249388	1495901	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,03	down
6368076	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,16	down
6450246	7249388	1495888	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,20	up
6485737	7249388	1495906	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,11	down
6603896	7249388	1495894	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,21	up
6686584	7249388	1495892	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,17	up
6719482	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,19	down
6738166	7249388	1495891	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,28	down
5717794	7288108	1592120	PC4 and SFRS1 interacting protein 1	Psip1	313323	2,40	down
5734818	7288108	1592116	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,20	down
5754921	7288108	1592126	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,01	down
5777959	7288108	1592121	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,26	up
5806125	7288108	1592129	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,06	down
5812807	7288108	1592125	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,10	down
5839574	7288108	1592112	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,03	up
5997678	7288108	1592128	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,13	up
6036811	7288108	1592122	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,28	down
6167304	7288108	1592118	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,60	down
6171365	7288108	1592123	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,04	down
6242202	7288108	1592115	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,02	up
6285963	7288108	1592129	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,14	up
6303412	7288108	1592113	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,34	down
6345268	7288108	1592124	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,27	up
6352507	7288108	1592117	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,16	up
6366747	7288108	1592114	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,38	down
6456821	7288108	1592119	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,32	up
6494970	7288108	1592121	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,10	down
6689009	7288108	1592119	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,27	down
6707990	7288108	1592127	PC4 and SFRS1 interacting protein 1	Psip1	313323	1,12	up
5686329	7205216	1387725	PDZ domain containing 2	Pdzd2	65034	1,02	down
5699619	7205216	1387716	PDZ domain containing 2	Pdzd2	65034	1,13	up
5747868	7205216	1387729	PDZ domain containing 2	Pdzd2	65034	1,19	down
5768497	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,02	down
5812167	7205216	1387732	PDZ domain containing 2	Pdzd2	65034	1,08	down
5855873	7205216	1387733	PDZ domain containing 2	Pdzd2	65034	1,29	down
5903768	7205216	1387734	PDZ domain containing 2	Pdzd2	65034	1,24	up
5922145	7205216	1387728	PDZ domain containing 2	Pdzd2	65034	1,44	down
6018492	7205216	1387736	PDZ domain containing 2	Pdzd2	65034	1,18	up

6076570	7205216	1387719	PDZ domain containing 2	Pdzd2	65034	1,23	down
6095462	7205216	1387723	PDZ domain containing 2	Pdzd2	65034	1,09	down
6096748	7205216	1387736	PDZ domain containing 2	Pdzd2	65034	1,09	down
6203045	7205216	1387715	PDZ domain containing 2	Pdzd2	65034	3,36	up
6205677	7205216	1387727	PDZ domain containing 2	Pdzd2	65034	1,11	up
6245281	7205216	1387730	PDZ domain containing 2	Pdzd2	65034	1,19	up
6302536	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,02	up
6341925	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,05	down
6410204	7205216	1387722	PDZ domain containing 2	Pdzd2	65034	1,13	up
6441758	7205216	1387735	PDZ domain containing 2	Pdzd2	65034	1,06	down
6453773	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,34	down
6526776	7205216	1387722	PDZ domain containing 2	Pdzd2	65034	1,90	down
6531129	7205216	1387718	PDZ domain containing 2	Pdzd2	65034	1,03	up
6580938	7205216	1387717	PDZ domain containing 2	Pdzd2	65034	2,16	down
6637593	7205216	1387722	PDZ domain containing 2	Pdzd2	65034	1,04	up
6649124	7205216	1387724	PDZ domain containing 2	Pdzd2	65034	1,28	up
6649846	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,10	up
6656462	7205216	1387731	PDZ domain containing 2	Pdzd2	65034	1,16	up
6746258	7205216	1387726	PDZ domain containing 2	Pdzd2	65034	1,01	up
5923303	7344702	1732139	PDZ domain containing 3	Pdzd3	500986	1,02	up
5759705	7267953	1542229	PDZ domain containing RING finger 3	Pdzm3	312607	1,01	down
5811369	7267953	1542229	PDZ domain containing RING finger 3	Pdzm3	312607	1,44	up
5826075	7267953	1542264	PDZ domain containing RING finger 3	Pdzm3	312607	1,06	up
5908971	7267953	1542229	PDZ domain containing RING finger 3	Pdzm3	312607	1,26	down
5633848	7131119	1204429	pellino 2	Peli2	305835	1,05	up
5652064	7131119	1204455	pellino 2	Peli2	305835	1,63	up
5657616	7131119	1204428	pellino 2	Peli2	305835	2,64	down
5659830	7131119	1204438	pellino 2	Peli2	305835	1,04	up
6117229	7131119	1204453	pellino 2	Peli2	305835	1,22	up
6196689	7131119	1204455	pellino 2	Peli2	305835	1,03	up
6575182	7131119	1204451	pellino 2	Peli2	305835	1,33	up
6676085	7131119	1204454	pellino 2	Peli2	305835	1,45	down
5670212	7265952	1536996	Pentatricopeptide repeat domain 3	Ptcd3	500199	2,01	down
5702861	7265952	1536984	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,28	up
5716060	7265952	1536987	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,16	down
5727377	7265952	1536988	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,37	down
5728425	7265952	1536978	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,39	up
5784032	7265952	1536976	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,17	up
5858348	7265952	1536983	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,11	up
5889526	7265952	1536975	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,04	down
5907122	7265952	1536977	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,40	down
5954779	7265952	1536997	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,38	down
5962766	7265952	1536993	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,14	up
5980637	7265952	1536982	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,07	down
6043100	7265952	1536984	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,05	up
6116600	7265952	1536995	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,10	up
6161450	7265952	1536981	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,26	down
6179486	7265952	1536980	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,07	down
6199736	7265952	1536997	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,16	down
6210875	7265952	1536990	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,03	down
6211131	7265952	1536992	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,24	up
6225268	7265952	1536979	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,27	up
6381352	7265952	1536972	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,04	up
6391257	7265952	1536985	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,17	down
6433101	7265952	1536991	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,22	up
6475260	7265952	1536973	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,65	down

6522020	7265952	1536988	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,25	up
6540168	7265952	1536974	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,01	up
6611883	7265952	1536971	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,07	down
6693989	7265952	1536971	Pentatricopeptide repeat domain 3	Ptcd3	500199	1,02	down
5707117	7292488	1602443	peptidyl arginine deiminase, type IV	Padi4	29512	1,12	down
5727539	7292488	1602435	peptidyl arginine deiminase, type IV	Padi4	29512	1,25	down
5742273	7292488	1602434	peptidyl arginine deiminase, type IV	Padi4	29512	2,12	up
5756324	7292488	1602442	peptidyl arginine deiminase, type IV	Padi4	29512	1,26	up
5774145	7292488	1602431	peptidyl arginine deiminase, type IV	Padi4	29512	1,17	down
5790488	7292488	1602441	peptidyl arginine deiminase, type IV	Padi4	29512	1,40	down
5824688	7292488	1602438	peptidyl arginine deiminase, type IV	Padi4	29512	1,00	up
5873085	7292488	1602429	peptidyl arginine deiminase, type IV	Padi4	29512	1,01	up
5906807	7292488	1602428	peptidyl arginine deiminase, type IV	Padi4	29512	1,04	up
5950256	7292488	1602432	peptidyl arginine deiminase, type IV	Padi4	29512	1,93	up
6089866	7292488	1602436	peptidyl arginine deiminase, type IV	Padi4	29512	1,45	down
6217845	7292488	1602437	peptidyl arginine deiminase, type IV	Padi4	29512	2,09	down
6506622	7292488	1602439	peptidyl arginine deiminase, type IV	Padi4	29512	1,01	down
6547647	7292488	1602433	peptidyl arginine deiminase, type IV	Padi4	29512	1,10	up
6551620	7292488	1602427	peptidyl arginine deiminase, type IV	Padi4	29512	1,01	down
6679323	7292488	1602430	peptidyl arginine deiminase, type IV	Padi4	29512	1,47	down
6732922	7292488	1602440	peptidyl arginine deiminase, type IV	Padi4	29512	1,13	down
6746656	7292488	1602433	peptidyl arginine deiminase, type IV	Padi4	29512	1,10	down
5792739	7371483	1800146	peptidylprolyl isomerase (cyclophilin)-like 2	Ppil2	360746	1,20	down
5690665	7362531	1775642	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,35	down
5961016	7362531	1775646	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,19	up
6037731	7362531	1775640	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,13	up
6460854	7362531	1775641	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,33	down
6474007	7362531	1775643	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,28	up
6520639	7362531	1775639	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,01	up
6546791	7362531	1775644	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	2,09	up
6596728	7362531	1775640	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,16	up
6653169	7362531	1775645	peptidylprolyl isomerase (cyclophilin)-like 3	Ppil3	301432	1,47	up
5674138	7290793	1598641	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,67	down
5743174	7290793	1598631	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,15	down
5789469	7290793	1598635	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,53	down
5812771	7290793	1598637	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	2,15	up
5846550	7290793	1598628	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,79	down
5997584	7290793	1598636	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,09	up
6021767	7290793	1598627	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,05	down
6114783	7290793	1598638	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,24	down
6308406	7290793	1598640	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,09	down
6419659	7290793	1598639	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,35	up
6419843	7290793	1598634	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,29	up
6541888	7290793	1598633	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,04	down
5653740	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,88	down
5671251	7293385	1604644	period homolog 3 (Drosophila)	Per3	78962	1,41	up
5711795	7293385	1604654	period homolog 3 (Drosophila)	Per3	78962	1,69	down
5739241	7293385	1604649	period homolog 3 (Drosophila)	Per3	78962	1,47	up
5741944	7293385	1604647	period homolog 3 (Drosophila)	Per3	78962	1,98	down
5784134	7293385	1604659	period homolog 3 (Drosophila)	Per3	78962	1,14	up
5866159	7293385	1604651	period homolog 3 (Drosophila)	Per3	78962	1,46	down
5931199	7293385	1604643	period homolog 3 (Drosophila)	Per3	78962	1,67	up
5934652	7293385	1604644	period homolog 3 (Drosophila)	Per3	78962	2,03	down
5951808	7293385	1604640	period homolog 3 (Drosophila)	Per3	78962	1,12	down
5979038	7293385	1604652	period homolog 3 (Drosophila)	Per3	78962	1,05	down
6021486	7293385	1604645	period homolog 3 (Drosophila)	Per3	78962	1,35	down

6032121	7293385	1604650	period homolog 3 (Drosophila)	Per3	78962	1,10	up
6110176	7293385	1604660	period homolog 3 (Drosophila)	Per3	78962	1,12	up
6163680	7293385	1604656	period homolog 3 (Drosophila)	Per3	78962	1,41	up
6272465	7293385	1604653	period homolog 3 (Drosophila)	Per3	78962	1,04	up
6288786	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,35	down
6295215	7293385	1604645	period homolog 3 (Drosophila)	Per3	78962	1,25	down
6323758	7293385	1604657	period homolog 3 (Drosophila)	Per3	78962	1,24	up
6334224	7293385	1604655	period homolog 3 (Drosophila)	Per3	78962	1,04	down
6430352	7293385	1604648	period homolog 3 (Drosophila)	Per3	78962	1,10	down
6480290	7293385	1604647	period homolog 3 (Drosophila)	Per3	78962	1,25	up
6494027	7293385	1604644	period homolog 3 (Drosophila)	Per3	78962	1,05	up
6551611	7293385	1604641	period homolog 3 (Drosophila)	Per3	78962	1,23	down
6665480	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,30	down
6697550	7293385	1604658	period homolog 3 (Drosophila)	Per3	78962	1,35	down
6704687	7293385	1604641	period homolog 3 (Drosophila)	Per3	78962	1,65	down
6707581	7293385	1604642	period homolog 3 (Drosophila)	Per3	78962	1,03	down
6743949	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,20	down
5670477	7065115	1044174	periplakin	Ppl	302934	1,90	up
5675283	7065115	1044171	periplakin	Ppl	302934	1,33	up
5694573	7065115	1044164	periplakin	Ppl	302934	2,18	up
5730668	7065115	1044175	periplakin	Ppl	302934	1,14	down
5838487	7065115	1044165	periplakin	Ppl	302934	1,20	up
5847796	7065115	1044181	periplakin	Ppl	302934	1,02	up
5859365	7065115	1044170	periplakin	Ppl	302934	1,14	down
5890189	7065115	1044166	periplakin	Ppl	302934	1,70	up
5904021	7065115	1044179	periplakin	Ppl	302934	1,32	down
5952874	7065115	1044172	periplakin	Ppl	302934	1,59	up
5967963	7065115	1044183	periplakin	Ppl	302934	1,78	up
6013122	7065115	1044184	periplakin	Ppl	302934	1,07	up
6042676	7065115	1044182	periplakin	Ppl	302934	1,60	down
6109497	7065115	1044169	periplakin	Ppl	302934	1,16	up
6111446	7065115	1044177	periplakin	Ppl	302934	1,24	down
6199442	7065115	1044176	periplakin	Ppl	302934	1,33	down
6200974	7065115	1044158	periplakin	Ppl	302934	1,31	down
6333774	7065115	1044180	periplakin	Ppl	302934	1,39	down
6577493	7065115	1044167	periplakin	Ppl	302934	1,14	up
6631339	7065115	1044168	periplakin	Ppl	302934	1,04	down
6663177	7065115	1044158	periplakin	Ppl	302934	1,71	up
6686156	7065115	1044173	periplakin	Ppl	302934	1,13	up
6716688	7065115	1044163	periplakin	Ppl	302934	1,16	up
6745922	7065115	1044184	periplakin	Ppl	302934	1,14	down
5726039	7280743	1574566	perlecan	LOC313641	313641	1,09	down
5963374	7280743	1574565	perlecan	LOC313641	313641	1,05	up
6233081	7280743	1574564	perlecan	LOC313641	313641	1,45	up
5629447	7044633	997361	peroxisomal biogenesis factor 7	Pex7	308718	1,39	down
5726891	7044633	997358	peroxisomal biogenesis factor 7	Pex7	308718	1,22	down
5733497	7044633	997357	peroxisomal biogenesis factor 7	Pex7	308718	1,20	down
5857756	7044633	997352	peroxisomal biogenesis factor 7	Pex7	308718	1,28	down
5936239	7044633	997353	peroxisomal biogenesis factor 7	Pex7	308718	1,34	up
6085894	7044633	997352	peroxisomal biogenesis factor 7	Pex7	308718	1,08	up
6143360	7044633	997367	peroxisomal biogenesis factor 7	Pex7	308718	1,33	up
6563347	7044633	997365	peroxisomal biogenesis factor 7	Pex7	308718	2,04	down
6568641	7044633	997366	peroxisomal biogenesis factor 7	Pex7	308718	1,02	down
6584155	7044633	997355	peroxisomal biogenesis factor 7	Pex7	308718	1,10	down
6651600	7044633	997362	peroxisomal biogenesis factor 7	Pex7	308718	1,17	down
5865233	7248964	1494937	peroxisomal proliferator-activated receptor A interacting complex 285	Pric285	296474	1,22	up

6091986	7248964	1494937	peroxisomal proliferator-activated receptor A interacting complex 285	Pric285	296474	1,12	up
6124619	7248964	1494937	peroxisomal proliferator-activated receptor A interacting complex 285	Pric285	296474	1,35	down
6500936	7248964	1494937	peroxisomal proliferator-activated receptor A interacting complex 285	Pric285	296474	1,20	up
5728096	7319557	1671134	peroxisome proliferator activated receptor alpha	Ppara	25747	1,08	up
5874066	7319557	1671136	peroxisome proliferator activated receptor alpha	Ppara	25747	2,07	down
6196994	7319557	1671139	peroxisome proliferator activated receptor alpha	Ppara	25747	1,13	down
6200041	7319557	1671135	peroxisome proliferator activated receptor alpha	Ppara	25747	1,11	up
6329064	7319557	1671135	peroxisome proliferator activated receptor alpha	Ppara	25747	1,52	up
6362897	7319557	1671137	peroxisome proliferator activated receptor alpha	Ppara	25747	1,10	up
6611909	7319557	1671140	peroxisome proliferator activated receptor alpha	Ppara	25747	1,01	up
6616107	7319557	1671138	peroxisome proliferator activated receptor alpha	Ppara	25747	1,82	down
5649130	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,21	down
5760359	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,44	down
5761574	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,08	down
5767272	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	6,06	down
5839523	7103829	1137198	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,11	up
5841825	7103829	1137200	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,03	down
5899958	7103829	1137195	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,02	up
5948299	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,11	up
6046143	7103829	1137194	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,14	up
6079068	7103829	1137207	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,16	down
6139321	7103829	1137197	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	1,14	up
6155769	7103829	1137203	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,02	up
6211209	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,06	up
6233725	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,35	down
6311321	7103829	1137196	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,20	up
6326828	7103829	1137205	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,01	up
6372434	7103829	1137202	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,00	down
6376837	7103829	1137199	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,08	up
6397146	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,85	down
6451157	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,17	down
6556856	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,43	up
6596318	7103829	1137204	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,21	down
6600396	7103829	1137193	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,43	up
6670232	7103829	1137201	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,10	up
6718892	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,83	down
6726168	7103829	1137204	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,05	up
6742819	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,37	down
5724030	7180949	1327482	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,25	up
5848670	7180949	1327496	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,03	up
5967255	7180949	1327483	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,21	down
5970904	7180949	1327497	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,08	up
5999354	7180949	1327480	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,35	down
6070806	7180949	1327490	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,04	up
6075545	7180949	1327493	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,04	up
6084929	7180949	1327479	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,10	up
6236088	7180949	1327477	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	2,04	down
6249957	7180949	1327496	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,12	up
6266363	7180949	1327494	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,82	up
6276210	7180949	1327479	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,21	up
6447749	7180949	1327491	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,23	up
6475997	7180949	1327477	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,27	up
6510572	7180949	1327489	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,27	up
6604474	7180949	1327485	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,03	up
6634957	7180949	1327488	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,14	down

6644000	7180949	1327481	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,15	down
6679953	7180949	1327484	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,27	up
6686525	7180949	1327475	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,08	up
6720368	7180949	1327495	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,11	up
6743202	7180949	1327492	PH domain and leucine rich repeat protein phosphatase-like	Phlpp1	498949	1,08	down
5641305	7138718	1222794	PHD finger protein 11	Phf11	361051	1,18	down
5643169	7138718	1222790	PHD finger protein 11	Phf11	361051	2,30	up
5651540	7138718	1222788	PHD finger protein 11	Phf11	361051	1,20	down
5887174	7138718	1222789	PHD finger protein 11	Phf11	361051	2,22	down
5989665	7138718	1222791	PHD finger protein 11	Phf11	361051	1,42	up
6266565	7138718	1222786	PHD finger protein 11	Phf11	361051	1,10	down
6294409	7138718	1222787	PHD finger protein 11	Phf11	361051	1,30	up
6543912	7138718	1222792	PHD finger protein 11	Phf11	361051	1,76	up
5665582	7138718	1222785	PHD finger protein 11-like /// PHD finger protein 11	Phf111 /// Phf11	364393 /// 361051	4,38	down
5844291	7138718	1222793	PHD finger protein 11-like /// PHD finger protein 11	Phf111 /// Phf11	364393 /// 361051	1,04	up
6374846	7138718	1222785	PHD finger protein 11-like /// PHD finger protein 11	Phf111 /// Phf11	364393 /// 361051	1,07	down
6687308	7138718	1222788	PHD finger protein 11-like /// PHD finger protein 11	Phf111 /// Phf11	364393 /// 361051	1,87	down
5629948	7193513	1359464	PHD finger protein 17	Phf17	310352	1,13	up
5745532	7193513	1359467	PHD finger protein 17	Phf17	310352	1,95	up
5957166	7193513	1359467	PHD finger protein 17	Phf17	310352	1,02	down
5982397	7193513	1359463	PHD finger protein 17	Phf17	310352	1,09	up
5982418	7193513	1359465	PHD finger protein 17	Phf17	310352	1,14	up
6083200	7193513	1359458	PHD finger protein 17	Phf17	310352	1,26	up
6097345	7193513	1359471	PHD finger protein 17	Phf17	310352	1,01	up
6217122	7193513	1359453	PHD finger protein 17	Phf17	310352	1,30	up
6337034	7193513	1359467	PHD finger protein 17	Phf17	310352	1,23	up
6361597	7193513	1359460	PHD finger protein 17	Phf17	310352	1,21	up
6399646	7193513	1359469	PHD finger protein 17	Phf17	310352	1,23	up
6412884	7193513	1359466	PHD finger protein 17	Phf17	310352	1,03	down
6439886	7193513	1359472	PHD finger protein 17	Phf17	310352	1,30	up
6565142	7193513	1359447	PHD finger protein 17	Phf17	310352	1,18	down
6602907	7193513	1359471	PHD finger protein 17	Phf17	310352	1,36	down
6677181	7193513	1359467	PHD finger protein 17	Phf17	310352	1,06	down
5622292	7313442	1655518	phenylalanine hydroxylase	Pah	24616	1,38	down
5636956	7313442	1655517	phenylalanine hydroxylase	Pah	24616	1,15	up
5650875	7313442	1655509	phenylalanine hydroxylase	Pah	24616	1,02	down
5667296	7313442	1655510	phenylalanine hydroxylase	Pah	24616	1,23	up
6020309	7313442	1655521	phenylalanine hydroxylase	Pah	24616	1,25	down
6046395	7313442	1655519	phenylalanine hydroxylase	Pah	24616	1,36	down
6228727	7313442	1655511	phenylalanine hydroxylase	Pah	24616	1,39	up
6423625	7313442	1655520	phenylalanine hydroxylase	Pah	24616	1,09	up
6437421	7313442	1655512	phenylalanine hydroxylase	Pah	24616	1,01	up
6440126	7313442	1655513	phenylalanine hydroxylase	Pah	24616	2,48	up
6462931	7313442	1655514	phenylalanine hydroxylase	Pah	24616	1,10	up
6516624	7313442	1655516	phenylalanine hydroxylase	Pah	24616	1,02	down
6517961	7313442	1655516	phenylalanine hydroxylase	Pah	24616	1,02	down
6727892	7313442	1655522	phenylalanine hydroxylase	Pah	24616	1,09	down
6731564	7313442	1655515	phenylalanine hydroxylase	Pah	24616	1,10	up
5633204	7098801	1124630	phosphatidylethanolamine binding protein 1	Pebp1	29542	1,60	up
5743893	7098801	1124631	phosphatidylethanolamine binding protein 1	Pebp1	29542	1,16	down
5848920	7098801	1124633	phosphatidylethanolamine binding protein 1	Pebp1	29542	1,01	down
6084127	7098801	1124634	phosphatidylethanolamine binding protein 1	Pebp1	29542	1,02	down
6587959	7098801	1124630	phosphatidylethanolamine binding protein 1	Pebp1	29542	6,03	down
6645010	7098801	1124632	phosphatidylethanolamine binding protein 1	Pebp1	29542	1,60	down
5628724	7293234	1604343	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,06	up
5696066	7293234	1604345	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,12	up

5706737	7293234	1604333	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,23	up
5745684	7293234	1604345	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,81	up
5772144	7293234	1604325	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,04	down
5775398	7293234	1604345	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,57	down
5891886	7293234	1604328	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,40	down
5938306	7293234	1604324	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,18	up
5978814	7293234	1604338	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,22	down
5984688	7293234	1604327	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,04	up
6000474	7293234	1604341	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,10	up
6068552	7293234	1604339	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,05	up
6122624	7293234	1604327	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,30	up
6139864	7293234	1604347	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,75	up
6196703	7293234	1604337	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,00	down
6201710	7293234	1604340	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,11	up
6225695	7293234	1604347	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,47	down
6232806	7293234	1604331	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,03	up
6260484	7293234	1604346	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,11	up
6306317	7293234	1604344	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,41	up
6310607	7293234	1604332	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,22	down
6448351	7293234	1604335	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,00	up
6488100	7293234	1604335	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,26	down
6582257	7293234	1604334	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,54	up
6614206	7293234	1604329	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,05	up
6632982	7293234	1604342	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,18	down
6645178	7293234	1604330	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,06	down
6654324	7293234	1604354	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,36	up
6654854	7293234	1604335	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,74	down
5762017	7196852	1367444	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,10	up
5775859	7196852	1367452	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,40	up
5818067	7196852	1367450	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,26	down
5889391	7196852	1367447	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,03	down
5947095	7196852	1367441	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,19	down
5950031	7196852	1367449	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	2,20	up
6071704	7196852	1367439	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,04	down
6075367	7196852	1367439	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,97	up
6108378	7196852	1367451	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,20	down
6273863	7196852	1367442	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,06	up
6393678	7196852	1367443	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,33	up
6485300	7196852	1367448	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,00	down
6534269	7196852	1367445	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,04	up
6575784	7196852	1367446	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,24	down
6585468	7196852	1367440	phosphatidylinositol 4-kinase, catalytic, beta	Pi4kb	81747	1,22	up
5697253	7079958	1079446	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,35	down
5699960	7079958	1079445	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,01	up
5709373	7079958	1079452	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,18	up
5732922	7079958	1079445	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,12	up
5781637	7079958	1079457	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	2,17	up
5831628	7079958	1079449	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,13	up
5837719	7079958	1079454	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,01	down
5951820	7079958	1079456	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,11	up
5985174	7079958	1079455	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,06	down
5987319	7079958	1079446	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,01	down
6178364	7079958	1079448	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,20	up
6224759	7079958	1079453	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,18	up
6249241	7079958	1079450	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,11	down
6352199	7079958	1079447	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,12	down

6578335	7079958	1079451	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,33	down
6592291	7079958	1079445	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,25	down
5617760	7248004	1492563	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,14	down
5650665	7248004	1492569	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,03	down
5661321	7248004	1492564	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,26	down
5700395	7248004	1492609	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,64	down
5709217	7248004	1492581	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,06	down
5781202	7248004	1492558	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,29	down
5790284	7248004	1492574	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,32	up
5833747	7248004	1492573	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,09	up
5855735	7248004	1492591	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,91	down
5886240	7248004	1492626	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,21	up
5886574	7248004	1492598	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,06	down
5909527	7248004	1492573	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,45	down
5910841	7248004	1492565	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,19	down
5931935	7248004	1492561	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,21	up
5963232	7248004	1492599	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,04	up
5972471	7248004	1492579	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,25	up
5973106	7248004	1492596	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,31	up
5983086	7248004	1492571	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,36	down
6011857	7248004	1492592	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,27	down
6031214	7248004	1492566	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,50	up
6043198	7248004	1492558	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,00	up
6065115	7248004	1492577	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,27	down
6105255	7248004	1492586	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,29	up
6128972	7248004	1492597	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,14	up
6140508	7248004	1492610	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,03	down
6172053	7248004	1492559	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,11	down
6172753	7248004	1492563	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,17	up
6193349	7248004	1492600	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,53	down
6234083	7248004	1492568	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,36	up
6234830	7248004	1492606	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,05	down
6240573	7248004	1492588	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,45	up
6259346	7248004	1492573	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,66	down
6275200	7248004	1492589	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,35	down
6276056	7248004	1492586	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,17	up
6303055	7248004	1492590	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,49	down
6328693	7248004	1492575	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,15	up
6344169	7248004	1492562	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,15	down
6345103	7248004	1492570	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,01	up
6417664	7248004	1492604	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,28	up
6485386	7248004	1492558	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,02	up
6490470	7248004	1492576	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,10	up
6504854	7248004	1492578	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,21	down
6524281	7248004	1492626	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	2,16	down
6542979	7248004	1492560	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,46	up
6578283	7248004	1492576	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,36	up
6591089	7248004	1492586	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,01	up
6650354	7248004	1492558	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,99	up
6707546	7248004	1492572	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,51	up
6719174	7248004	1492582	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Prex1	311647	1,24	up
5684985	7326233	1686313	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	2,95	down
5747979	7326233	1686303	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,07	down
5800851	7326233	1686306	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,08	down
5845760	7326233	1686311	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,01	up
6085165	7326233	1686307	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,42	down

6092756	7326233	1686304	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,11	down
6163421	7326233	1686310	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,37	up
6302338	7326233	1686313	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,00	down
6351009	7326233	1686312	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,09	down
6404419	7326233	1686308	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,36	down
6544611	7326233	1686309	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,06	up
6566753	7326233	1686313	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,02	up
6673561	7326233	1686305	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,23	up
5884507	7087965	1098014	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcxd2	363781	1,98	up
5906864	7087965	1098014	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcxd2	363781	1,94	up
6053646	7087965	1098014	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcxd2	363781	1,64	up
6578784	7087965	1098012	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcxd2	363781	2,29	up
6639264	7087965	1098000	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcxd2	363781	2,52	up
5625837	7046605	1002430	phosphodiesterase 10A	Pde10a	63885	1,26	up
5649380	7046605	1002434	phosphodiesterase 10A	Pde10a	63885	1,32	up
5666365	7046605	1002409	phosphodiesterase 10A	Pde10a	63885	1,20	down
5697356	7046605	1002423	phosphodiesterase 10A	Pde10a	63885	1,19	down
5713441	7046605	1002414	phosphodiesterase 10A	Pde10a	63885	1,03	up
5714377	7046605	1002420	phosphodiesterase 10A	Pde10a	63885	1,88	down
5819433	7046605	1002417	phosphodiesterase 10A	Pde10a	63885	1,01	down
5830701	7046605	1002434	phosphodiesterase 10A	Pde10a	63885	1,43	up
5903829	7046605	1002411	phosphodiesterase 10A	Pde10a	63885	1,17	down
5914502	7046605	1002410	phosphodiesterase 10A	Pde10a	63885	1,17	down
5921428	7046605	1002425	phosphodiesterase 10A	Pde10a	63885	1,04	up
5979487	7046605	1002415	phosphodiesterase 10A	Pde10a	63885	1,18	up
5985102	7046605	1002409	phosphodiesterase 10A	Pde10a	63885	1,24	down
6126348	7046605	1002426	phosphodiesterase 10A	Pde10a	63885	1,04	up
6153282	7046605	1002419	phosphodiesterase 10A	Pde10a	63885	1,37	down
6279270	7046605	1002416	phosphodiesterase 10A	Pde10a	63885	1,01	down
6280030	7046605	1002422	phosphodiesterase 10A	Pde10a	63885	1,16	down
6294114	7046605	1002433	phosphodiesterase 10A	Pde10a	63885	2,40	up
6296595	7046605	1002412	phosphodiesterase 10A	Pde10a	63885	1,18	down
6300936	7046605	1002429	phosphodiesterase 10A	Pde10a	63885	1,07	down
6329565	7046605	1002408	phosphodiesterase 10A	Pde10a	63885	1,07	down
6346746	7046605	1002432	phosphodiesterase 10A	Pde10a	63885	1,05	up
6382295	7046605	1002418	phosphodiesterase 10A	Pde10a	63885	1,05	up
6461699	7046605	1002424	phosphodiesterase 10A	Pde10a	63885	1,01	down
6476448	7046605	1002425	phosphodiesterase 10A	Pde10a	63885	1,06	up
6521290	7046605	1002413	phosphodiesterase 10A	Pde10a	63885	1,18	up
6527930	7046605	1002428	phosphodiesterase 10A	Pde10a	63885	1,12	up
6615165	7046605	1002417	phosphodiesterase 10A	Pde10a	63885	1,16	down
6625205	7046605	1002432	phosphodiesterase 10A	Pde10a	63885	1,10	down
6660615	7046605	1002427	phosphodiesterase 10A	Pde10a	63885	1,09	up
6686013	7046605	1002425	phosphodiesterase 10A	Pde10a	63885	1,14	up
6732918	7046605	1002421	phosphodiesterase 10A	Pde10a	63885	1,14	down
6736258	7046605	1002434	phosphodiesterase 10A	Pde10a	63885	1,17	up
5667685	7240420	1475058	phosphodiesterase 11A	Pde11a	140928	1,19	up
5672856	7240420	1475057	phosphodiesterase 11A	Pde11a	140928	1,41	down
5698290	7240420	1475083	phosphodiesterase 11A	Pde11a	140928	1,21	down
5707134	7240420	1475057	phosphodiesterase 11A	Pde11a	140928	1,04	down
5790750	7240420	1475063	phosphodiesterase 11A	Pde11a	140928	1,14	down
5834201	7240420	1475077	phosphodiesterase 11A	Pde11a	140928	1,07	up
5865905	7240420	1475065	phosphodiesterase 11A	Pde11a	140928	1,03	down
5999000	7240420	1475084	phosphodiesterase 11A	Pde11a	140928	1,00	down
6051203	7240420	1475057	phosphodiesterase 11A	Pde11a	140928	1,49	up
6081268	7240420	1475060	phosphodiesterase 11A	Pde11a	140928	1,01	down

6121194	7240420	1475070	phosphodiesterase 11A	Pde11a	140928	1,18	down
6145943	7240420	1475057	phosphodiesterase 11A	Pde11a	140928	1,23	up
6168860	7240420	1475067	phosphodiesterase 11A	Pde11a	140928	1,25	down
6284864	7240420	1475059	phosphodiesterase 11A	Pde11a	140928	1,40	up
6319327	7240420	1475069	phosphodiesterase 11A	Pde11a	140928	1,36	down
6321006	7240420	1475071	phosphodiesterase 11A	Pde11a	140928	1,18	down
6343718	7240420	1475075	phosphodiesterase 11A	Pde11a	140928	1,39	up
6346476	7240420	1475064	phosphodiesterase 11A	Pde11a	140928	1,06	down
6375588	7240420	1475062	phosphodiesterase 11A	Pde11a	140928	1,05	down
6424502	7240420	1475076	phosphodiesterase 11A	Pde11a	140928	1,06	down
6426758	7240420	1475068	phosphodiesterase 11A	Pde11a	140928	1,09	down
6453368	7240420	1475061	phosphodiesterase 11A	Pde11a	140928	1,20	down
6540568	7240420	1475057	phosphodiesterase 11A	Pde11a	140928	1,01	up
6554690	7240420	1475073	phosphodiesterase 11A	Pde11a	140928	1,07	up
6561392	7240420	1475060	phosphodiesterase 11A	Pde11a	140928	1,81	up
6568899	7240420	1475072	phosphodiesterase 11A	Pde11a	140928	2,38	up
6584057	7240420	1475078	phosphodiesterase 11A	Pde11a	140928	1,06	up
6607098	7240420	1475057	phosphodiesterase 11A	Pde11a	140928	1,13	down
6674480	7240420	1475073	phosphodiesterase 11A	Pde11a	140928	1,26	down
6686685	7240420	1475074	phosphodiesterase 11A	Pde11a	140928	1,51	down
6739615	7240420	1475066	phosphodiesterase 11A	Pde11a	140928	1,15	up
5643875	7240420	1475082	phosphodiesterase 11A /// cytochrome c, testis	Pde11a /// Cyst	140928 /// 25310	1,01	up
6079025	7240420	1475081	phosphodiesterase 11A /// cytochrome c, testis	Pde11a /// Cyst	140928 /// 25310	1,09	down
5633642	7321206	1675199	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,86	down
5655075	7321206	1675186	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,45	up
5777511	7321206	1675194	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,04	up
5783056	7321206	1675187	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,10	up
5872711	7321206	1675190	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,99	up
6071252	7321206	1675196	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,63	up
6142158	7321206	1675189	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,72	up
6262697	7321206	1675195	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,07	down
6312815	7321206	1675198	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,34	down
6350640	7321206	1675191	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	2,29	up
6352322	7321206	1675192	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,13	down
6407756	7321206	1675188	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,61	down
6484236	7321206	1675197	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,49	up
6569327	7321206	1675193	phosphodiesterase 1B, calmodulin-dependent	Pde1b	29691	1,63	down
5618309	7034699	973074	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,29	up
5695774	7034699	973088	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,16	down
5747297	7034699	973096	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,08	down
5840942	7034699	973087	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,13	up
5844959	7034699	973082	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,46	down
5856577	7034699	973097	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,76	down
5871727	7034699	973084	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,00	down
5893866	7034699	973095	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,07	up
5907010	7034699	973090	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	2,18	up
5922654	7034699	973086	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,05	up
6013760	7034699	973083	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,47	down
6037901	7034699	973077	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	2,00	down
6120805	7034699	973094	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,05	up
6130762	7034699	973079	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,36	up
6166259	7034699	973092	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,06	down
6287513	7034699	973067	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,28	up
6295618	7034699	973078	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,16	down
6298898	7034699	973085	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,10	down
6306226	7034699	973070	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,22	down

6354095	7034699	973072	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,20	up
6372120	7034699	973069	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,01	up
6375331	7034699	973080	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,06	up
6393671	7034699	973068	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,06	up
6395289	7034699	973081	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,63	down
6423630	7034699	973093	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,16	down
6452317	7034699	973075	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,21	down
6457824	7034699	973076	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,32	down
6465204	7034699	973089	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,15	up
6590066	7034699	973071	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,09	up
6593937	7034699	973067	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,52	up
6621647	7034699	973073	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,24	up
6713965	7034699	973091	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,63	up
5700069	7333487	1703683	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,03	up
5704413	7333487	1703691	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	2,27	down
5778064	7333487	1703685	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,47	up
5834669	7333487	1703687	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,37	down
5845406	7333487	1703689	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,05	down
5930127	7333487	1703688	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,43	down
5933129	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,32	up
6031486	7333487	1703681	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,97	down
6080168	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,12	down
6126920	7333487	1703679	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	2,25	up
6136216	7333487	1703680	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,18	up
6164558	7333487	1703685	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,03	up
6290425	7333487	1703684	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,66	up
6358190	7333487	1703686	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,24	up
6403505	7333487	1703678	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,04	up
6417773	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,00	up
6424578	7333487	1703685	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,22	down
6496108	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,48	down
6497646	7333487	1703678	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,12	down
6532784	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,26	down
6557599	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,07	down
6563180	7333487	1703679	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,04	down
6675233	7333487	1703690	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,03	down
6701371	7333487	1703682	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drc	Pde4a	25638	1,36	up
5716680	7149817	1250304	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,20	up
5752152	7149817	1250306	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,26	up
5752199	7149817	1250313	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,11	up
5818753	7149817	1250308	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,22	up
5855916	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,11	down
5959089	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,01	up
6008344	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,36	up
6066581	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,17	up
6137443	7149817	1250310	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,21	down
6230974	7149817	1250311	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	2,36	down
6412552	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,21	down
6446699	7149817	1250310	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,05	up
6502661	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,20	up
6675002	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,07	up
6707333	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,33	up
6740920	7149817	1250312	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,61	up
6744853	7149817	1250305	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drc	Pde4c	290646	1,79	up
5632325	7211830	1402934	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,28	down
5698631	7211830	1402919	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,13	down

5717694	7211830	1402924	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	down
5717943	7211830	1402923	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	up
5737276	7211830	1402914	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	up
5746365	7211830	1402929	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,10	down
5748144	7211830	1402905	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,25	down
5756697	7211830	1402909	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,16	up
5790389	7211830	1402918	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,08	down
5833450	7211830	1402937	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,01	up
5833638	7211830	1402933	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,11	down
5844836	7211830	1402911	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,26	up
5866781	7211830	1402900	phosphodiesterase 4D interacting protein	Pde4dip	64183	2,08	down
5895158	7211830	1402943	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,01	down
5929171	7211830	1402939	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,04	down
5933034	7211830	1402907	phosphodiesterase 4D interacting protein	Pde4dip	64183	2,18	up
5939051	7211830	1402941	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,28	up
5982387	7211830	1402931	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	up
6016032	7211830	1402928	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,07	up
6016691	7211830	1402926	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	down
6019538	7211830	1402942	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,01	down
6044526	7211830	1402929	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,12	up
6046486	7211830	1402915	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,12	down
6058474	7211830	1402903	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	down
6076880	7211830	1402926	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	up
6093195	7211830	1402910	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,01	up
6155378	7211830	1402906	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,07	up
6163054	7211830	1402904	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	up
6216397	7211830	1402912	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,22	up
6247996	7211830	1402920	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,02	up
6287075	7211830	1402932	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	up
6289931	7211830	1402930	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,08	up
6316253	7211830	1402913	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,27	up
6355482	7211830	1402908	phosphodiesterase 4D interacting protein	Pde4dip	64183	2,09	down
6362171	7211830	1402935	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,20	up
6387259	7211830	1402936	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	up
6396842	7211830	1402938	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,08	down
6467722	7211830	1402902	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,00	up
6480212	7211830	1402921	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,07	up
6517113	7211830	1402943	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,18	up
6543923	7211830	1402925	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,07	down
6563651	7211830	1402901	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,22	down
6567655	7211830	1402940	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,08	down
6601650	7211830	1402927	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,11	down
6656695	7211830	1402922	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,10	down
6708289	7211830	1402921	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,50	up
6730211	7211830	1402917	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,10	down
5770004	7198690	1372549	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,19	down
5774613	7198690	1372534	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,26	down
5796363	7198690	1372541	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,14	down
5813293	7198690	1372550	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,15	up
5890787	7198690	1372535	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,02	down
5909440	7198690	1372548	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,03	down
5949245	7198690	1372536	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,32	down
6085795	7198690	1372538	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,31	up
6091242	7198690	1372532	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,17	down
6201535	7198690	1372537	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,03	up
6217110	7198690	1372546	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,43	down

6249666	7198690	1372543	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,42	up
6250116	7198690	1372552	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,13	up
6306659	7198690	1372532	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	2,42	up
6342926	7198690	1372547	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,10	down
6398746	7198690	1372551	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,09	down
6460407	7198690	1372540	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,28	up
6469174	7198690	1372533	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,21	up
6545012	7198690	1372532	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,63	up
6573047	7198690	1372544	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,35	down
6627521	7198690	1372539	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,00	up
6694102	7198690	1372542	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,26	up
6711498	7198690	1372545	phosphodiesterase 5A, cGMP-specific	Pde5a	171115	1,07	up
5672463	7171041	1302317	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,19	down
5744844	7171041	1302328	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,48	up
5854032	7171041	1302311	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,16	down
5872439	7171041	1302323	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,55	down
5932979	7171041	1302308	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,16	up
5937009	7171041	1302319	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,06	down
5980078	7171041	1302337	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,02	down
6027690	7171041	1302318	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,04	up
6039593	7171041	1302327	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,22	down
6071184	7171041	1302332	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,06	up
6105390	7171041	1302324	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,24	up
6146721	7171041	1302313	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,15	up
6300233	7171041	1302320	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,14	down
6368165	7171041	1302335	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,00	up
6375967	7171041	1302333	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	2,60	up
6385692	7171041	1302316	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,09	down
6423925	7171041	1302322	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,49	up
6516377	7171041	1302325	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,17	down
6536098	7171041	1302308	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,26	down
6580426	7171041	1302310	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,10	down
6585066	7171041	1302326	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,01	up
6641894	7171041	1302312	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,03	up
6708337	7171041	1302334	phosphodiesterase 6A, cGMP-specific, rod, alpha	Pde6a	307401	1,04	up
5655109	7122486	1183426	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,57	down
5730227	7122486	1183422	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,05	up
5816346	7122486	1183428	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,32	up
5835999	7122486	1183434	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,10	up
5849751	7122486	1183418	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,25	down
5887373	7122486	1183415	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,04	down
5922444	7122486	1183433	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,10	down
5990681	7122486	1183439	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,06	down
6080844	7122486	1183421	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,01	down
6107297	7122486	1183430	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,12	down
6120525	7122486	1183425	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,31	down
6123865	7122486	1183420	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	2,34	up
6183933	7122486	1183419	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,46	up
6277133	7122486	1183417	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,10	up
6283918	7122486	1183431	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,01	up
6324493	7122486	1183427	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,05	up
6353895	7122486	1183413	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,41	down
6377450	7122486	1183413	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,15	down
6416215	7122486	1183418	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,06	down
6495358	7122486	1183429	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,05	up
6517321	7122486	1183421	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,49	down

6545544	7122486	1183424	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,04	up
6581953	7122486	1183425	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,28	down
6591262	7122486	1183423	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	289878	1,08	down
5631207	7217492	1416699	phosphodiesterase 9A	Pde9a	191569	1,33	up
5638826	7217492	1416709	phosphodiesterase 9A	Pde9a	191569	1,35	up
5678330	7217492	1416701	phosphodiesterase 9A	Pde9a	191569	1,13	down
5790860	7217492	1416703	phosphodiesterase 9A	Pde9a	191569	1,12	down
5897119	7217492	1416705	phosphodiesterase 9A	Pde9a	191569	1,54	down
5905874	7217492	1416715	phosphodiesterase 9A	Pde9a	191569	1,16	up
6054226	7217492	1416700	phosphodiesterase 9A	Pde9a	191569	1,33	down
6067245	7217492	1416712	phosphodiesterase 9A	Pde9a	191569	1,68	up
6089409	7217492	1416708	phosphodiesterase 9A	Pde9a	191569	1,46	down
6093972	7217492	1416713	phosphodiesterase 9A	Pde9a	191569	1,31	down
6104656	7217492	1416711	phosphodiesterase 9A	Pde9a	191569	1,39	up
6123510	7217492	1416714	phosphodiesterase 9A	Pde9a	191569	1,15	down
6302154	7217492	1416710	phosphodiesterase 9A	Pde9a	191569	1,76	down
6329168	7217492	1416700	phosphodiesterase 9A	Pde9a	191569	1,25	down
6334758	7217492	1416716	phosphodiesterase 9A	Pde9a	191569	1,18	up
6371757	7217492	1416706	phosphodiesterase 9A	Pde9a	191569	1,19	down
6487917	7217492	1416702	phosphodiesterase 9A	Pde9a	191569	1,11	down
6575072	7217492	1416704	phosphodiesterase 9A	Pde9a	191569	2,06	up
6638398	7217492	1416707	phosphodiesterase 9A	Pde9a	191569	1,02	down
6707735	7217492	1416699	phosphodiesterase 9A	Pde9a	191569	1,14	up
5816125	7131889	1206090	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,02	up
5820473	7131889	1206090	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,21	down
5871722	7131889	1206090	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,08	up
5889312	7131889	1206088	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,42	up
5991974	7131889	1206091	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,23	down
6096146	7131889	1206092	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,04	down
6316117	7131889	1206090	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,17	down
6320179	7131889	1206087	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	2,03	up
6327821	7131889	1206090	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,01	down
6330551	7131889	1206089	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,13	down
6354011	7131889	1206093	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,06	down
6540593	7131889	1206093	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,12	down
6701603	7131889	1206088	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Pck2	361042	1,21	down
5656269	7059716	1030821	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,18	down
5673417	7059716	1030822	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,13	down
5692167	7059716	1030819	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,07	up
5740577	7059716	1030814	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,24	up
5802250	7059716	1030823	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,29	up
5808108	7059716	1030832	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,00	down
5812572	7059716	1030824	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,12	up
5840751	7059716	1030815	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,20	up
5886426	7059716	1030834	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,26	down
5931176	7059716	1030828	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,03	down
5938099	7059716	1030830	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,01	up
5960773	7059716	1030834	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,27	up
6046712	7059716	1030816	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,11	down
6079697	7059716	1030835	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,12	down
6203348	7059716	1030817	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,03	down
6267478	7059716	1030826	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,20	down
6270844	7059716	1030831	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,11	up
6287242	7059716	1030823	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,02	up
6296149	7059716	1030813	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,15	up
6339924	7059716	1030827	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,07	up

6408459	7059716	1030812	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,08	down
6438496	7059716	1030823	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,06	down
6482869	7059716	1030810	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	2,76	down
6556212	7059716	1030811	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,00	down
6560405	7059716	1030829	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,06	up
6628531	7059716	1030825	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,05	up
6680675	7059716	1030820	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,00	down
6690494	7059716	1030818	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,03	up
6714502	7059716	1030835	phosphofurin acidic cluster sorting protein 1	Pacs1	171444	1,33	down
5660530	7211874	1403017	phosphoglycerate dehydrogenase	Phgdh	58835	1,23	down
5781709	7211874	1403014	phosphoglycerate dehydrogenase	Phgdh	58835	1,09	down
5815062	7211874	1403018	phosphoglycerate dehydrogenase	Phgdh	58835	1,12	down
5852684	7211874	1403020	phosphoglycerate dehydrogenase	Phgdh	58835	1,27	up
5856737	7211874	1403012	phosphoglycerate dehydrogenase	Phgdh	58835	1,30	down
6054905	7211874	1403018	phosphoglycerate dehydrogenase	Phgdh	58835	1,16	down
6084361	7211874	1403009	phosphoglycerate dehydrogenase	Phgdh	58835	3,38	down
6307517	7211874	1403011	phosphoglycerate dehydrogenase	Phgdh	58835	1,08	up
6369656	7211874	1403016	phosphoglycerate dehydrogenase	Phgdh	58835	1,56	down
6399333	7211874	1403019	phosphoglycerate dehydrogenase	Phgdh	58835	1,49	up
6426795	7211874	1403021	phosphoglycerate dehydrogenase	Phgdh	58835	1,76	up
6490178	7211874	1403007	phosphoglycerate dehydrogenase	Phgdh	58835	1,24	up
6521545	7211874	1403008	phosphoglycerate dehydrogenase	Phgdh	58835	1,21	down
6539831	7211874	1403015	phosphoglycerate dehydrogenase	Phgdh	58835	1,18	up
6572578	7211874	1403010	phosphoglycerate dehydrogenase	Phgdh	58835	1,30	down
6626345	7211874	1403020	phosphoglycerate dehydrogenase	Phgdh	58835	1,04	down
6717582	7211874	1403013	phosphoglycerate dehydrogenase	Phgdh	58835	1,18	down
5850016	7068942	1053393	phosphoinositide-3-kinase, regulatory subunit 5	Pik3r5	497931	1,08	down
5955960	7068942	1053393	phosphoinositide-3-kinase, regulatory subunit 5	Pik3r5	497931	1,01	down
5667663	7288686	1593582	phospholipase A2, activating protein	Plaa	116645	1,04	down
5719889	7288686	1593580	phospholipase A2, activating protein	Plaa	116645	1,00	up
5833159	7288686	1593572	phospholipase A2, activating protein	Plaa	116645	1,06	up
5860326	7288686	1593576	phospholipase A2, activating protein	Plaa	116645	1,07	down
5974823	7288686	1593581	phospholipase A2, activating protein	Plaa	116645	1,21	up
6145623	7288686	1593571	phospholipase A2, activating protein	Plaa	116645	2,63	down
6179135	7288686	1593576	phospholipase A2, activating protein	Plaa	116645	1,25	down
6224947	7288686	1593571	phospholipase A2, activating protein	Plaa	116645	1,06	up
6252645	7288686	1593571	phospholipase A2, activating protein	Plaa	116645	1,25	down
6418701	7288686	1593583	phospholipase A2, activating protein	Plaa	116645	1,04	up
6445497	7288686	1593578	phospholipase A2, activating protein	Plaa	116645	1,00	up
6534049	7288686	1593573	phospholipase A2, activating protein	Plaa	116645	1,17	up
6639706	7288686	1593579	phospholipase A2, activating protein	Plaa	116645	1,02	down
6661775	7288686	1593575	phospholipase A2, activating protein	Plaa	116645	1,18	down
6724768	7288686	1593577	phospholipase A2, activating protein	Plaa	116645	1,01	up
6735569	7288686	1593574	phospholipase A2, activating protein	Plaa	116645	1,03	down
5778263	7370001	1795758	phospholipase A2, group XIIB	Pla2g12b	367415	2,13	down
5976505	7370001	1795765	phospholipase A2, group XIIB	Pla2g12b	367415	1,04	up
6185954	7370001	1795758	phospholipase A2, group XIIB	Pla2g12b	367415	1,18	down
6319744	7370001	1795760	phospholipase A2, group XIIB	Pla2g12b	367415	1,03	down
6385264	7370001	1795762	phospholipase A2, group XIIB	Pla2g12b	367415	1,33	up
5619910	7303805	1632088	phospholipase B	Phlpb	192259	1,04	down
5629184	7303805	1632105	phospholipase B	Phlpb	192259	2,10	down
5631713	7303805	1632097	phospholipase B	Phlpb	192259	1,14	up
5678278	7303805	1632103	phospholipase B	Phlpb	192259	1,02	down
5694519	7303805	1632109	phospholipase B	Phlpb	192259	1,02	down
5700128	7303805	1632068	phospholipase B	Phlpb	192259	1,42	down
5703098	7303805	1632078	phospholipase B	Phlpb	192259	1,10	down

5706081	7303805	1632096	phospholipase B	Phlpb	192259	2,82	up
5707009	7303805	1632072	phospholipase B	Phlpb	192259	1,03	up
5723270	7303805	1632063	phospholipase B	Phlpb	192259	1,05	up
5731881	7303805	1632116	phospholipase B	Phlpb	192259	1,46	up
5740589	7303805	1632110	phospholipase B	Phlpb	192259	1,78	down
5792817	7303805	1632089	phospholipase B	Phlpb	192259	1,11	down
5793291	7303805	1632070	phospholipase B	Phlpb	192259	1,19	up
5823338	7303805	1632086	phospholipase B	Phlpb	192259	1,16	up
5915432	7303805	1632091	phospholipase B	Phlpb	192259	1,61	up
5922639	7303805	1632063	phospholipase B	Phlpb	192259	1,14	down
5923631	7303805	1632076	phospholipase B	Phlpb	192259	2,17	down
5942921	7303805	1632067	phospholipase B	Phlpb	192259	1,19	up
5949745	7303805	1632112	phospholipase B	Phlpb	192259	1,11	down
5970961	7303805	1632085	phospholipase B	Phlpb	192259	1,35	down
6013552	7303805	1632115	phospholipase B	Phlpb	192259	1,00	up
6049671	7303805	1632081	phospholipase B	Phlpb	192259	1,02	up
6053904	7303805	1632080	phospholipase B	Phlpb	192259	1,14	up
6061164	7303805	1632074	phospholipase B	Phlpb	192259	1,76	up
6122954	7303805	1632066	phospholipase B	Phlpb	192259	1,58	up
6137092	7303805	1632064	phospholipase B	Phlpb	192259	1,52	down
6146892	7303805	1632093	phospholipase B	Phlpb	192259	1,66	down
6186302	7303805	1632075	phospholipase B	Phlpb	192259	1,59	down
6210127	7303805	1632073	phospholipase B	Phlpb	192259	1,26	up
6218325	7303805	1632102	phospholipase B	Phlpb	192259	1,33	up
6221666	7303805	1632106	phospholipase B	Phlpb	192259	1,05	down
6253417	7303805	1632099	phospholipase B	Phlpb	192259	1,24	down
6269941	7303805	1632095	phospholipase B	Phlpb	192259	1,65	down
6281957	7303805	1632083	phospholipase B	Phlpb	192259	1,05	up
6323458	7303805	1632100	phospholipase B	Phlpb	192259	1,12	down
6412407	7303805	1632108	phospholipase B	Phlpb	192259	1,15	down
6422625	7303805	1632065	phospholipase B	Phlpb	192259	1,25	up
6425650	7303805	1632071	phospholipase B	Phlpb	192259	1,25	down
6428530	7303805	1632084	phospholipase B	Phlpb	192259	1,31	up
6431143	7303805	1632090	phospholipase B	Phlpb	192259	1,11	up
6448546	7303805	1632113	phospholipase B	Phlpb	192259	1,17	up
6459068	7303805	1632114	phospholipase B	Phlpb	192259	1,17	up
6496619	7303805	1632111	phospholipase B	Phlpb	192259	1,15	up
6520816	7303805	1632087	phospholipase B	Phlpb	192259	1,34	up
6545176	7303805	1632101	phospholipase B	Phlpb	192259	1,30	down
6651033	7303805	1632082	phospholipase B	Phlpb	192259	1,09	down
6655129	7303805	1632079	phospholipase B	Phlpb	192259	1,04	down
6667723	7303805	1632092	phospholipase B	Phlpb	192259	1,46	up
6698018	7303805	1632104	phospholipase B	Phlpb	192259	1,40	up
6703156	7303805	1632094	phospholipase B	Phlpb	192259	1,02	up
6731246	7303805	1632077	phospholipase B	Phlpb	192259	1,20	down
6733497	7303805	1632069	phospholipase B	Phlpb	192259	1,10	down
6744568	7303805	1632107	phospholipase B	Phlpb	192259	1,34	down
5644603	7192686	1357075	phospholipase D1	Pld1	25096	1,04	down
5644924	7192686	1357069	phospholipase D1	Pld1	25096	1,00	up
5661654	7192686	1357060	phospholipase D1	Pld1	25096	1,42	down
5665870	7192686	1357053	phospholipase D1	Pld1	25096	1,15	down
5792004	7192686	1357058	phospholipase D1	Pld1	25096	1,04	down
5799568	7192686	1357067	phospholipase D1	Pld1	25096	1,43	down
5800153	7192686	1357052	phospholipase D1	Pld1	25096	1,10	up
5827827	7192686	1357077	phospholipase D1	Pld1	25096	1,22	down
5861102	7192686	1357072	phospholipase D1	Pld1	25096	1,02	down

5879492	7192686	1357061	phospholipase D1	Pld1	25096	1,20	up
5938019	7192686	1357053	phospholipase D1	Pld1	25096	1,25	up
5998127	7192686	1357056	phospholipase D1	Pld1	25096	2,08	down
6004603	7192686	1357054	phospholipase D1	Pld1	25096	1,16	up
6110405	7192686	1357057	phospholipase D1	Pld1	25096	1,93	down
6166334	7192686	1357065	phospholipase D1	Pld1	25096	1,06	up
6189213	7192686	1357074	phospholipase D1	Pld1	25096	1,08	up
6193848	7192686	1357059	phospholipase D1	Pld1	25096	1,07	up
6195614	7192686	1357053	phospholipase D1	Pld1	25096	1,18	up
6200903	7192686	1357066	phospholipase D1	Pld1	25096	1,30	down
6227978	7192686	1357064	phospholipase D1	Pld1	25096	1,07	down
6232032	7192686	1357071	phospholipase D1	Pld1	25096	1,26	up
6244803	7192686	1357076	phospholipase D1	Pld1	25096	1,08	down
6317333	7192686	1357067	phospholipase D1	Pld1	25096	1,64	up
6375507	7192686	1357054	phospholipase D1	Pld1	25096	1,22	down
6386942	7192686	1357080	phospholipase D1	Pld1	25096	1,04	up
6390091	7192686	1357068	phospholipase D1	Pld1	25096	1,32	down
6440657	7192686	1357053	phospholipase D1	Pld1	25096	1,09	up
6457293	7192686	1357070	phospholipase D1	Pld1	25096	1,10	up
6461290	7192686	1357063	phospholipase D1	Pld1	25096	1,27	up
6466272	7192686	1357067	phospholipase D1	Pld1	25096	1,88	down
6501399	7192686	1357073	phospholipase D1	Pld1	25096	1,20	down
6570708	7192686	1357055	phospholipase D1	Pld1	25096	1,02	down
6701616	7192686	1357079	phospholipase D1	Pld1	25096	1,18	up
6719106	7192686	1357078	phospholipase D1	Pld1	25096	1,11	up
6723422	7192686	1357062	phospholipase D1	Pld1	25096	1,23	up
6728127	7192686	1357068	phospholipase D1	Pld1	25096	1,27	down
5669761	7069249	1054132	phospholipase D2	Pld2	25097	1,17	up
5831468	7069249	1054113	phospholipase D2	Pld2	25097	1,10	up
5843529	7069249	1054137	phospholipase D2	Pld2	25097	1,41	down
5865708	7069249	1054118	phospholipase D2	Pld2	25097	1,08	up
5889213	7069249	1054135	phospholipase D2	Pld2	25097	1,34	up
5946052	7069249	1054126	phospholipase D2	Pld2	25097	1,08	up
5968724	7069249	1054119	phospholipase D2	Pld2	25097	1,26	down
5996236	7069249	1054114	phospholipase D2	Pld2	25097	1,14	down
6006736	7069249	1054131	phospholipase D2	Pld2	25097	1,17	down
6060815	7069249	1054122	phospholipase D2	Pld2	25097	1,02	up
6093249	7069249	1054127	phospholipase D2	Pld2	25097	1,35	up
6103436	7069249	1054128	phospholipase D2	Pld2	25097	1,03	down
6137283	7069249	1054125	phospholipase D2	Pld2	25097	1,01	up
6138822	7069249	1054115	phospholipase D2	Pld2	25097	1,25	down
6140230	7069249	1054124	phospholipase D2	Pld2	25097	1,61	up
6249994	7069249	1054121	phospholipase D2	Pld2	25097	1,04	up
6285670	7069249	1054116	phospholipase D2	Pld2	25097	1,39	up
6358363	7069249	1054133	phospholipase D2	Pld2	25097	1,05	down
6407857	7069249	1054136	phospholipase D2	Pld2	25097	1,22	up
6451106	7069249	1054127	phospholipase D2	Pld2	25097	1,21	up
6491313	7069249	1054117	phospholipase D2	Pld2	25097	1,38	down
6539879	7069249	1054129	phospholipase D2	Pld2	25097	1,00	down
6554508	7069249	1054134	phospholipase D2	Pld2	25097	1,26	up
6597561	7069249	1054113	phospholipase D2	Pld2	25097	1,09	down
6603681	7069249	1054123	phospholipase D2	Pld2	25097	1,03	down
6671586	7069249	1054120	phospholipase D2	Pld2	25097	2,42	down
6674700	7069249	1054130	phospholipase D2	Pld2	25097	1,06	up
5661863	7339147	1717722	phospholipid scramblase 1	Plscr1	117540	2,30	down
5788177	7339147	1717724	phospholipid scramblase 1	Plscr1	117540	1,13	down

5798699	7339147	1717726	phospholipid scramblase 1	Plscr1	117540	1,35	up
5804092	7339147	1717720	phospholipid scramblase 1	Plscr1	117540	1,25	up
6137465	7339147	1717727	phospholipid scramblase 1	Plscr1	117540	1,09	down
6170281	7339147	1717725	phospholipid scramblase 1	Plscr1	117540	1,27	up
6246986	7339147	1717721	phospholipid scramblase 1	Plscr1	117540	1,38	down
6414831	7339147	1717723	phospholipid scramblase 1	Plscr1	117540	1,85	up
6563995	7339147	1717721	phospholipid scramblase 1	Plscr1	117540	2,63	down
6737906	7339147	1717719	phospholipid scramblase 1	Plscr1	117540	1,38	down
5631438	7078326	1075899	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,05	down
5657114	7078326	1075902	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,05	up
5692304	7078326	1075901	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,09	down
5728130	7078326	1075896	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,15	down
5890349	7078326	1075904	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,15	up
5997983	7078326	1075904	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,13	up
6001937	7078326	1075897	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,01	up
6097754	7078326	1075898	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,39	up
6252702	7078326	1075895	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,27	up
6259155	7078326	1075900	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,14	down
6336248	7078326	1075903	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,05	up
6367280	7078326	1075894	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	2,89	down
6452374	7078326	1075905	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,40	down
6625461	7078326	1075898	phosphoribosyl pyrophosphate synthetase-associated protein 2	Prpsap2	117272	1,19	up
5630899	7307499	1641434	phosphorylase, glycogen, liver	Pygl	64035	1,16	up
5640733	7307499	1641435	phosphorylase, glycogen, liver	Pygl	64035	1,13	up
5660870	7307499	1641418	phosphorylase, glycogen, liver	Pygl	64035	1,07	down
5664529	7307499	1641433	phosphorylase, glycogen, liver	Pygl	64035	1,03	up
5670906	7307499	1641420	phosphorylase, glycogen, liver	Pygl	64035	1,73	up
5704859	7307499	1641429	phosphorylase, glycogen, liver	Pygl	64035	1,59	down
5713137	7307499	1641416	phosphorylase, glycogen, liver	Pygl	64035	1,17	down
5876947	7307499	1641424	phosphorylase, glycogen, liver	Pygl	64035	1,08	up
5883188	7307499	1641432	phosphorylase, glycogen, liver	Pygl	64035	1,30	up
5951249	7307499	1641417	phosphorylase, glycogen, liver	Pygl	64035	1,03	down
5996895	7307499	1641422	phosphorylase, glycogen, liver	Pygl	64035	1,42	down
6093310	7307499	1641415	phosphorylase, glycogen, liver	Pygl	64035	1,05	down
6211168	7307499	1641425	phosphorylase, glycogen, liver	Pygl	64035	1,09	down
6268816	7307499	1641430	phosphorylase, glycogen, liver	Pygl	64035	2,40	down
6421641	7307499	1641426	phosphorylase, glycogen, liver	Pygl	64035	1,07	up
6438137	7307499	1641431	phosphorylase, glycogen, liver	Pygl	64035	1,13	down
6482279	7307499	1641433	phosphorylase, glycogen, liver	Pygl	64035	1,08	down
6490123	7307499	1641435	phosphorylase, glycogen, liver	Pygl	64035	1,21	down
6504251	7307499	1641421	phosphorylase, glycogen, liver	Pygl	64035	1,17	down
6538431	7307499	1641419	phosphorylase, glycogen, liver	Pygl	64035	1,06	down
6568679	7307499	1641428	phosphorylase, glycogen, liver	Pygl	64035	1,75	up
6575204	7307499	1641427	phosphorylase, glycogen, liver	Pygl	64035	1,48	up
6694101	7307499	1641423	phosphorylase, glycogen, liver	Pygl	64035	1,13	down
5658747	7039302	983844	phosphorylase, glycogen, muscle	Pygm	24701	1,01	down
5659420	7039302	983862	phosphorylase, glycogen, muscle	Pygm	24701	1,29	down
5731408	7039302	983848	phosphorylase, glycogen, muscle	Pygm	24701	1,22	up
5810218	7039302	983851	phosphorylase, glycogen, muscle	Pygm	24701	1,42	up
5844406	7039302	983857	phosphorylase, glycogen, muscle	Pygm	24701	1,02	up
5894647	7039302	983853	phosphorylase, glycogen, muscle	Pygm	24701	1,15	down
5896997	7039302	983845	phosphorylase, glycogen, muscle	Pygm	24701	1,14	down
5904567	7039302	983852	phosphorylase, glycogen, muscle	Pygm	24701	1,13	down
6006671	7039302	983860	phosphorylase, glycogen, muscle	Pygm	24701	1,30	down
6008100	7039302	983864	phosphorylase, glycogen, muscle	Pygm	24701	1,10	up
6157712	7039302	983854	phosphorylase, glycogen, muscle	Pygm	24701	1,42	up

6185492	7039302	983859	phosphorylase, glycogen, muscle	Pygm	24701	1,24	down
6192951	7039302	983858	phosphorylase, glycogen, muscle	Pygm	24701	1,20	down
6223682	7039302	983863	phosphorylase, glycogen, muscle	Pygm	24701	1,01	up
6386880	7039302	983846	phosphorylase, glycogen, muscle	Pygm	24701	1,38	up
6569930	7039302	983856	phosphorylase, glycogen, muscle	Pygm	24701	1,01	up
6618715	7039302	983847	phosphorylase, glycogen, muscle	Pygm	24701	1,17	down
6639084	7039302	983855	phosphorylase, glycogen, muscle	Pygm	24701	2,44	down
6695982	7039302	983861	phosphorylase, glycogen, muscle	Pygm	24701	1,38	up
6717187	7039302	983849	phosphorylase, glycogen, muscle	Pygm	24701	1,09	down
6726278	7039302	983842	phosphorylase, glycogen, muscle	Pygm	24701	1,28	up
5630591	7060776	1033189	phosphoserine aminotransferase 1	Psat1	293820	1,10	up
5679347	7060776	1033194	phosphoserine aminotransferase 1	Psat1	293820	2,01	up
5696120	7060776	1033190	phosphoserine aminotransferase 1	Psat1	293820	1,13	down
6082877	7060776	1033196	phosphoserine aminotransferase 1	Psat1	293820	1,29	up
6088033	7060776	1033191	phosphoserine aminotransferase 1	Psat1	293820	1,38	up
6262201	7060776	1033193	phosphoserine aminotransferase 1	Psat1	293820	2,18	down
6271171	7060776	1033187	phosphoserine aminotransferase 1	Psat1	293820	1,05	up
6345777	7060776	1033195	phosphoserine aminotransferase 1	Psat1	293820	1,08	up
6357198	7060776	1033188	phosphoserine aminotransferase 1	Psat1	293820	1,10	down
6479752	7060776	1033192	phosphoserine aminotransferase 1	Psat1	293820	1,09	down
5707676	7101619	1131502	phosphoserine phosphatase	Psph	304429	1,28	down
5915618	7101619	1131506	phosphoserine phosphatase	Psph	304429	2,42	up
6052429	7101619	1131503	phosphoserine phosphatase	Psph	304429	1,26	down
6233517	7101619	1131504	phosphoserine phosphatase	Psph	304429	1,03	up
6304720	7101619	1131506	phosphoserine phosphatase	Psph	304429	1,15	down
6400533	7101619	1131505	phosphoserine phosphatase	Psph	304429	1,29	down
6476278	7101619	1131500	phosphoserine phosphatase	Psph	304429	1,25	up
6592204	7101619	1131501	phosphoserine phosphatase	Psph	304429	1,15	up
5717337	7042063	990698	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,15	down
5741121	7042063	990694	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,31	down
5845993	7042063	990694	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,30	down
5894853	7042063	990691	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,35	down
5911904	7042063	990693	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	2,05	down
5921741	7042063	990700	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,47	up
5945720	7042063	990699	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,39	up
5949166	7042063	990686	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,11	up
5960815	7042063	990699	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,27	down
5967512	7042063	990701	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,00	up
6054737	7042063	990694	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,44	down
6084209	7042063	990687	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,20	down
6150693	7042063	990692	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,01	down
6176505	7042063	990688	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,60	up
6288106	7042063	990690	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,30	up
6297096	7042063	990697	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,22	up
6381466	7042063	990695	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,36	up
6593518	7042063	990696	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,20	down
6676905	7042063	990688	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,05	up
6740011	7042063	990689	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,80	down
5656521	7031460	963829	PIH1 domain containing 1	Pih1d1	292898	1,26	down
5700488	7031460	963832	PIH1 domain containing 1	Pih1d1	292898	1,14	down
5704990	7031460	963833	PIH1 domain containing 1	Pih1d1	292898	1,10	up
5956015	7031460	963825	PIH1 domain containing 1	Pih1d1	292898	1,09	down
6140296	7031460	963832	PIH1 domain containing 1	Pih1d1	292898	1,31	down
6211909	7031460	963830	PIH1 domain containing 1	Pih1d1	292898	1,36	up
6224365	7031460	963831	PIH1 domain containing 1	Pih1d1	292898	1,14	down
6269782	7031460	963827	PIH1 domain containing 1	Pih1d1	292898	2,03	down

6272413	7031460	963826	PIH1 domain containing 1	Pih1d1	292898	1,17	up
6492760	7031460	963828	PIH1 domain containing 1	Pih1d1	292898	1,44	down
5678005	7308833	1644625	placental growth factor	Pgf	94203	1,01	down
5679718	7308833	1644622	placental growth factor	Pgf	94203	1,21	up
5754955	7308833	1644627	placental growth factor	Pgf	94203	2,10	up
5908016	7308833	1644623	placental growth factor	Pgf	94203	1,06	down
6495431	7308833	1644626	placental growth factor	Pgf	94203	1,00	down
6529030	7308833	1644628	placental growth factor	Pgf	94203	1,18	up
6650364	7308833	1644624	placental growth factor	Pgf	94203	1,48	down
5640573	7111567	1155986	plakophilin 1	Pkp1	304822	1,06	down
5687123	7111567	1155985	plakophilin 1	Pkp1	304822	1,15	down
5891548	7111567	1155983	plakophilin 1	Pkp1	304822	1,13	down
5929407	7111567	1155992	plakophilin 1	Pkp1	304822	1,04	down
6294214	7111567	1155984	plakophilin 1	Pkp1	304822	1,00	up
6359131	7111567	1155983	plakophilin 1	Pkp1	304822	1,06	up
6390064	7111567	1156001	plakophilin 1	Pkp1	304822	1,24	up
6390831	7111567	1155987	plakophilin 1	Pkp1	304822	2,49	up
6431577	7111567	1155994	plakophilin 1	Pkp1	304822	1,30	down
6432423	7111567	1155993	plakophilin 1	Pkp1	304822	1,01	up
6453740	7111567	1155991	plakophilin 1	Pkp1	304822	1,18	down
6480880	7111567	1156006	plakophilin 1	Pkp1	304822	1,31	down
6500767	7111567	1155995	plakophilin 1	Pkp1	304822	1,92	down
6598001	7111567	1155990	plakophilin 1	Pkp1	304822	1,03	down
6605167	7111567	1155983	plakophilin 1	Pkp1	304822	1,33	up
6658895	7111567	1155988	plakophilin 1	Pkp1	304822	1,41	down
6733030	7111567	1155989	plakophilin 1	Pkp1	304822	1,66	down
5933593	7275003	1559933	plasticity-related gene 3	Prg-3	298062	1,66	down
5943869	7275003	1559933	plasticity-related gene 3	Prg-3	298062	1,36	down
6152171	7275003	1559935	plasticity-related gene 3	Prg-3	298062	1,44	up
6486854	7275003	1559936	plasticity-related gene 3	Prg-3	298062	1,67	down
6527444	7275003	1559932	plasticity-related gene 3	Prg-3	298062	1,16	down
6616059	7275003	1559934	plasticity-related gene 3	Prg-3	298062	1,63	up
6656233	7275003	1559931	plasticity-related gene 3	Prg-3	298062	1,12	up
6712830	7275003	1559931	plasticity-related gene 3	Prg-3	298062	1,84	up
5770703	7048947	1007413	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,39	down
5818566	7048947	1007418	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	2,18	down
6050589	7048947	1007417	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,30	up
6226993	7048947	1007414	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,73	down
6296817	7048947	1007416	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,01	down
6439019	7048947	1007415	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,53	up
5618874	7054975	1020637	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,16	down
5736074	7054975	1020635	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	2,25	down
5810927	7054975	1020636	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,22	up
6052423	7054975	1020638	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,21	up
6064069	7054975	1020635	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,11	up
6091140	7054975	1020643	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,24	up
6099373	7054975	1020635	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,29	down
6236923	7054975	1020639	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,35	down
6269551	7054975	1020638	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,33	down
6320489	7054975	1020641	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,03	down
6587371	7054975	1020640	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	2,01	up
6626421	7054975	1020642	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,01	down
6732630	7054975	1020636	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,20	down
5942575	7299512	1620544	pleckstrin homology domain containing, family G (with RhoGef domain) member	Plekhhg3	314249	1,05	up
6168933	7299512	1620537	pleckstrin homology domain containing, family G (with RhoGef domain) member	Plekhhg3	314249	1,44	down
6659001	7299512	1620558	pleckstrin homology domain containing, family G (with RhoGef domain) member	Plekhhg3	314249	1,49	up

5657464	7082832	1085753	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,10	up
5847818	7082832	1085754	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,41	down
5857212	7082832	1085748	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,40	down
5968864	7082832	1085761	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,13	down
6029836	7082832	1085750	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	3,03	up
6042034	7082832	1085750	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,14	up
6057812	7082832	1085752	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,35	up
6076940	7082832	1085751	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,21	down
6132152	7082832	1085755	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,34	down
6177950	7082832	1085756	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,18	up
6264639	7082832	1085750	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,23	up
6294104	7082832	1085749	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,33	down
6297159	7082832	1085757	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,56	down
6430609	7082832	1085759	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,18	up
6448139	7082832	1085749	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,30	down
6567518	7082832	1085750	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,80	up
6584125	7082832	1085758	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,11	up
6702470	7082832	1085748	pleckstrin homology domain containing, family H (with MyTH4 domain) member	Plekhh3	360634	1,04	down
5862063	7087965	1098061	pleckstrin homology-like domain, family B, member 2	Phldb2	685611	1,90	down
6114437	7087965	1098061	pleckstrin homology-like domain, family B, member 2	Phldb2	685611	1,20	down
6201170	7087965	1098061	pleckstrin homology-like domain, family B, member 2	Phldb2	685611	1,13	down
5776276	7025049	948509	pleiomorphic adenoma gene-like 1	Plagl1	25157	2,08	up
5840676	7025049	948511	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,43	up
5875070	7025049	948509	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,58	up
6032642	7025049	948504	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,39	up
6176433	7025049	948509	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,56	up
6293632	7025049	948508	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,41	down
6306487	7025049	948508	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,16	down
6358512	7025049	948509	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,05	up
6448004	7025049	948505	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,04	up
6468311	7025049	948509	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,42	down
6482710	7025049	948506	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,21	down
6613224	7025049	948507	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,27	up
6619574	7025049	948510	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,36	down
6620853	7025049	948509	pleiomorphic adenoma gene-like 1	Plagl1	25157	1,14	down
5618620	7109373	1150971	plexin A2	Plxna2	289392	1,36	up
5638391	7109373	1150985	plexin A2	Plxna2	289392	1,43	down
5663513	7109373	1150948	plexin A2	Plxna2	289392	1,16	up
5681377	7109373	1150979	plexin A2	Plxna2	289392	1,22	up
5702655	7109373	1150964	plexin A2	Plxna2	289392	1,12	down
5717752	7109373	1150985	plexin A2	Plxna2	289392	1,01	down
5737859	7109373	1150918	plexin A2	Plxna2	289392	1,04	down
5833833	7109373	1150943	plexin A2	Plxna2	289392	1,14	up
5836145	7109373	1150962	plexin A2	Plxna2	289392	1,08	up
5885832	7109373	1150985	plexin A2	Plxna2	289392	1,04	down
5922695	7109373	1150965	plexin A2	Plxna2	289392	1,12	down
5949500	7109373	1150982	plexin A2	Plxna2	289392	1,12	down
5950368	7109373	1150949	plexin A2	Plxna2	289392	1,08	down
5974458	7109373	1150967	plexin A2	Plxna2	289392	1,01	up
5996914	7109373	1150977	plexin A2	Plxna2	289392	1,75	up
6025162	7109373	1150973	plexin A2	Plxna2	289392	1,11	down
6029016	7109373	1150985	plexin A2	Plxna2	289392	1,17	down
6073897	7109373	1150915	plexin A2	Plxna2	289392	1,07	up
6083464	7109373	1150983	plexin A2	Plxna2	289392	1,42	down
6123980	7109373	1150985	plexin A2	Plxna2	289392	1,32	down
6156950	7109373	1150963	plexin A2	Plxna2	289392	1,26	up

6183958	7109373	1150970	plexin A2	Plxna2	289392	1,06	up
6186843	7109373	1150942	plexin A2	Plxna2	289392	1,17	down
6232778	7109373	1150945	plexin A2	Plxna2	289392	1,03	up
6267658	7109373	1150984	plexin A2	Plxna2	289392	1,05	up
6334098	7109373	1150984	plexin A2	Plxna2	289392	1,52	down
6335547	7109373	1150981	plexin A2	Plxna2	289392	1,50	up
6418083	7109373	1150961	plexin A2	Plxna2	289392	1,71	down
6433934	7109373	1150919	plexin A2	Plxna2	289392	1,29	down
6436858	7109373	1150944	plexin A2	Plxna2	289392	1,15	up
6470910	7109373	1150927	plexin A2	Plxna2	289392	2,23	up
6488588	7109373	1150969	plexin A2	Plxna2	289392	1,19	up
6499261	7109373	1150954	plexin A2	Plxna2	289392	1,36	down
6527806	7109373	1150927	plexin A2	Plxna2	289392	1,12	up
6553625	7109373	1150972	plexin A2	Plxna2	289392	1,23	down
6576501	7109373	1150968	plexin A2	Plxna2	289392	1,05	down
6584458	7109373	1150941	plexin A2	Plxna2	289392	1,19	up
6584812	7109373	1150958	plexin A2	Plxna2	289392	1,29	up
6744089	7109373	1150966	plexin A2	Plxna2	289392	1,14	up
5618848	7263401	1530964	plexin A4, A	Plxna4a	312213	1,17	down
5702093	7263401	1531029	plexin A4, A	Plxna4a	312213	1,11	up
5733706	7263401	1530985	plexin A4, A	Plxna4a	312213	1,78	up
5735372	7263401	1530968	plexin A4, A	Plxna4a	312213	1,09	up
5798128	7263401	1530977	plexin A4, A	Plxna4a	312213	1,13	up
5816030	7263401	1530955	plexin A4, A	Plxna4a	312213	1,17	up
5816657	7263401	1530971	plexin A4, A	Plxna4a	312213	1,05	down
5855838	7263401	1530963	plexin A4, A	Plxna4a	312213	1,16	up
5910447	7263401	1530951	plexin A4, A	Plxna4a	312213	1,09	up
5920778	7263401	1530957	plexin A4, A	Plxna4a	312213	1,38	down
5945013	7263401	1530978	plexin A4, A	Plxna4a	312213	1,53	down
5961557	7263401	1530983	plexin A4, A	Plxna4a	312213	1,53	up
5967540	7263401	1530951	plexin A4, A	Plxna4a	312213	1,38	down
5977754	7263401	1530984	plexin A4, A	Plxna4a	312213	1,13	up
6028924	7263401	1530959	plexin A4, A	Plxna4a	312213	1,56	up
6049144	7263401	1530972	plexin A4, A	Plxna4a	312213	1,05	down
6133867	7263401	1530965	plexin A4, A	Plxna4a	312213	1,49	up
6155821	7263401	1531043	plexin A4, A	Plxna4a	312213	1,42	down
6157344	7263401	1530969	plexin A4, A	Plxna4a	312213	1,18	up
6199813	7263401	1531034	plexin A4, A	Plxna4a	312213	1,75	up
6291981	7263401	1531034	plexin A4, A	Plxna4a	312213	1,45	down
6296650	7263401	1530958	plexin A4, A	Plxna4a	312213	1,69	up
6297011	7263401	1530982	plexin A4, A	Plxna4a	312213	1,20	up
6297407	7263401	1530970	plexin A4, A	Plxna4a	312213	1,69	up
6328253	7263401	1530966	plexin A4, A	Plxna4a	312213	1,24	down
6376301	7263401	1530976	plexin A4, A	Plxna4a	312213	1,19	down
6513011	7263401	1530953	plexin A4, A	Plxna4a	312213	1,48	up
6588987	7263401	1530973	plexin A4, A	Plxna4a	312213	1,40	down
6603147	7263401	1530975	plexin A4, A	Plxna4a	312213	1,04	down
6645202	7263401	1530974	plexin A4, A	Plxna4a	312213	1,21	up
6659048	7263401	1530967	plexin A4, A	Plxna4a	312213	1,03	down
6708565	7263401	1530956	plexin A4, A	Plxna4a	312213	1,01	up
5621317	7378546	1817589	plexin B3	Plxnb3	363517	1,24	down
5682449	7378546	1817608	plexin B3	Plxnb3	363517	2,11	down
5697136	7378546	1817601	plexin B3	Plxnb3	363517	1,53	up
5699699	7378546	1817591	plexin B3	Plxnb3	363517	1,04	down
5707224	7378546	1817601	plexin B3	Plxnb3	363517	1,78	up
5720442	7378546	1817584	plexin B3	Plxnb3	363517	1,27	up

5754249	7378546	1817612	plexin B3	Plxnb3	363517	1,08	up
5779556	7378546	1817596	plexin B3	Plxnb3	363517	1,24	down
5816740	7378546	1817607	plexin B3	Plxnb3	363517	1,18	up
5913850	7378546	1817599	plexin B3	Plxnb3	363517	1,61	up
5948449	7378546	1817587	plexin B3	Plxnb3	363517	1,29	down
5973808	7378546	1817597	plexin B3	Plxnb3	363517	1,05	down
6013076	7378546	1817599	plexin B3	Plxnb3	363517	1,27	up
6069679	7378546	1817603	plexin B3	Plxnb3	363517	1,06	down
6090717	7378546	1817581	plexin B3	Plxnb3	363517	1,19	down
6111731	7378546	1817599	plexin B3	Plxnb3	363517	1,26	up
6122936	7378546	1817582	plexin B3	Plxnb3	363517	1,17	down
6128595	7378546	1817595	plexin B3	Plxnb3	363517	1,01	down
6132248	7378546	1817588	plexin B3	Plxnb3	363517	1,11	down
6135904	7378546	1817583	plexin B3	Plxnb3	363517	1,26	down
6158592	7378546	1817590	plexin B3	Plxnb3	363517	1,04	up
6158763	7378546	1817610	plexin B3	Plxnb3	363517	1,04	up
6159144	7378546	1817580	plexin B3	Plxnb3	363517	1,09	up
6160917	7378546	1817580	plexin B3	Plxnb3	363517	1,64	up
6211890	7378546	1817601	plexin B3	Plxnb3	363517	1,03	down
6244179	7378546	1817609	plexin B3	Plxnb3	363517	1,04	up
6257453	7378546	1817602	plexin B3	Plxnb3	363517	1,15	up
6319424	7378546	1817592	plexin B3	Plxnb3	363517	1,47	up
6323863	7378546	1817600	plexin B3	Plxnb3	363517	1,04	up
6332140	7378546	1817608	plexin B3	Plxnb3	363517	1,16	up
6342640	7378546	1817609	plexin B3	Plxnb3	363517	1,64	down
6384948	7378546	1817585	plexin B3	Plxnb3	363517	1,08	up
6405306	7378546	1817604	plexin B3	Plxnb3	363517	1,40	down
6417678	7378546	1817598	plexin B3	Plxnb3	363517	1,13	down
6441236	7378546	1817580	plexin B3	Plxnb3	363517	1,08	down
6462354	7378546	1817593	plexin B3	Plxnb3	363517	1,36	down
6515220	7378546	1817605	plexin B3	Plxnb3	363517	1,31	down
6572449	7378546	1817586	plexin B3	Plxnb3	363517	1,12	up
6668797	7378546	1817612	plexin B3	Plxnb3	363517	1,11	down
6692254	7378546	1817611	plexin B3	Plxnb3	363517	1,08	down
6745129	7378546	1817583	plexin B3	Plxnb3	363517	1,03	down
5634613	7268693	1544185	plexin D1	Plxnd1	312652	1,18	down
5653139	7268693	1544193	plexin D1	Plxnd1	312652	1,32	up
5666540	7268693	1544176	plexin D1	Plxnd1	312652	1,86	up
5673341	7268693	1544175	plexin D1	Plxnd1	312652	1,32	down
5676893	7268693	1544213	plexin D1	Plxnd1	312652	1,49	down
5678006	7268693	1544213	plexin D1	Plxnd1	312652	1,48	down
5684983	7268693	1544200	plexin D1	Plxnd1	312652	1,14	up
5713900	7268693	1544201	plexin D1	Plxnd1	312652	1,04	down
5728813	7268693	1544209	plexin D1	Plxnd1	312652	1,17	down
5800425	7268693	1544188	plexin D1	Plxnd1	312652	1,53	down
5827615	7268693	1544198	plexin D1	Plxnd1	312652	1,03	down
5930991	7268693	1544206	plexin D1	Plxnd1	312652	1,50	down
5957661	7268693	1544190	plexin D1	Plxnd1	312652	1,10	down
6032333	7268693	1544191	plexin D1	Plxnd1	312652	1,33	up
6057157	7268693	1544181	plexin D1	Plxnd1	312652	1,98	up
6086602	7268693	1544179	plexin D1	Plxnd1	312652	1,03	up
6086999	7268693	1544213	plexin D1	Plxnd1	312652	1,26	up
6096097	7268693	1544204	plexin D1	Plxnd1	312652	2,97	up
6107855	7268693	1544183	plexin D1	Plxnd1	312652	1,11	down
6109977	7268693	1544182	plexin D1	Plxnd1	312652	1,82	down
6111284	7268693	1544180	plexin D1	Plxnd1	312652	1,50	down

6114713	7268693	1544189	plexin D1	Plxnd1	312652	1,23	up
6140371	7268693	1544194	plexin D1	Plxnd1	312652	2,00	up
6202751	7268693	1544213	plexin D1	Plxnd1	312652	2,06	down
6240320	7268693	1544186	plexin D1	Plxnd1	312652	1,11	down
6264333	7268693	1544177	plexin D1	Plxnd1	312652	1,30	down
6264931	7268693	1544202	plexin D1	Plxnd1	312652	1,34	down
6291343	7268693	1544187	plexin D1	Plxnd1	312652	2,44	down
6313630	7268693	1544192	plexin D1	Plxnd1	312652	1,36	up
6355862	7268693	1544199	plexin D1	Plxnd1	312652	1,10	down
6369348	7268693	1544213	plexin D1	Plxnd1	312652	1,82	down
6415373	7268693	1544203	plexin D1	Plxnd1	312652	1,42	up
6452582	7268693	1544208	plexin D1	Plxnd1	312652	1,20	up
6473221	7268693	1544213	plexin D1	Plxnd1	312652	1,10	down
6475970	7268693	1544205	plexin D1	Plxnd1	312652	2,21	up
6484511	7268693	1544213	plexin D1	Plxnd1	312652	1,48	up
6510140	7268693	1544178	plexin D1	Plxnd1	312652	1,19	up
6576877	7268693	1544176	plexin D1	Plxnd1	312652	1,46	down
6610563	7268693	1544175	plexin D1	Plxnd1	312652	1,14	up
6646478	7268693	1544197	plexin D1	Plxnd1	312652	1,72	up
6652019	7268693	1544184	plexin D1	Plxnd1	312652	1,01	up
6661961	7268693	1544207	plexin D1	Plxnd1	312652	1,50	down
6683620	7268693	1544195	plexin D1	Plxnd1	312652	2,89	up
6688794	7268693	1544184	plexin D1	Plxnd1	312652	1,16	up
6694393	7268693	1544196	plexin D1	Plxnd1	312652	1,07	down
5648655	7048738	1006983	poliovirus receptor	PVR	25066	1,49	down
5929667	7048738	1006986	poliovirus receptor	PVR	25066	1,21	down
6021636	7048738	1006985	poliovirus receptor	PVR	25066	1,08	up
6183003	7048738	1006989	poliovirus receptor	PVR	25066	1,05	down
6281736	7048738	1006988	poliovirus receptor	PVR	25066	1,63	up
6313978	7048738	1006984	poliovirus receptor	PVR	25066	1,08	down
6335483	7048738	1006989	poliovirus receptor	PVR	25066	1,91	down
6352228	7048738	1006988	poliovirus receptor	PVR	25066	1,64	up
6357047	7048738	1006987	poliovirus receptor	PVR	25066	1,23	up
6382728	7048738	1006981	poliovirus receptor	PVR	25066	1,84	down
6553824	7048738	1006981	poliovirus receptor	PVR	25066	1,39	up
6714052	7048738	1006982	poliovirus receptor	PVR	25066	2,12	down
5676612	7036458	977033	polo-like kinase 1 (Drosophila)	Plk1	25515	1,54	down
5707670	7036458	977023	polo-like kinase 1 (Drosophila)	Plk1	25515	1,35	up
5878261	7036458	977026	polo-like kinase 1 (Drosophila)	Plk1	25515	1,21	down
5924890	7036458	977030	polo-like kinase 1 (Drosophila)	Plk1	25515	1,83	down
5943502	7036458	977029	polo-like kinase 1 (Drosophila)	Plk1	25515	1,07	up
6054703	7036458	977028	polo-like kinase 1 (Drosophila)	Plk1	25515	1,46	down
6191409	7036458	977024	polo-like kinase 1 (Drosophila)	Plk1	25515	1,24	down
6191412	7036458	977029	polo-like kinase 1 (Drosophila)	Plk1	25515	1,22	up
6193315	7036458	977031	polo-like kinase 1 (Drosophila)	Plk1	25515	1,07	down
6395616	7036458	977027	polo-like kinase 1 (Drosophila)	Plk1	25515	1,32	down
6536873	7036458	977024	polo-like kinase 1 (Drosophila)	Plk1	25515	1,07	up
6576410	7036458	977025	polo-like kinase 1 (Drosophila)	Plk1	25515	1,37	down
6664981	7036458	977034	polo-like kinase 1 (Drosophila)	Plk1	25515	1,40	up
6692690	7036458	977032	polo-like kinase 1 (Drosophila)	Plk1	25515	1,21	up
5676623	7189518	1348522	polo-like kinase 2 (Drosophila)	Plk2	83722	1,77	down
5706208	7189518	1348517	polo-like kinase 2 (Drosophila)	Plk2	83722	1,36	up
5782983	7189518	1348515	polo-like kinase 2 (Drosophila)	Plk2	83722	1,26	up
5976210	7189518	1348524	polo-like kinase 2 (Drosophila)	Plk2	83722	2,57	down
5977933	7189518	1348511	polo-like kinase 2 (Drosophila)	Plk2	83722	1,07	down
6129173	7189518	1348514	polo-like kinase 2 (Drosophila)	Plk2	83722	1,43	up

6143750	7189518	1348512	polo-like kinase 2 (Drosophila)	Plk2	83722	1,01	up
6244353	7189518	1348510	polo-like kinase 2 (Drosophila)	Plk2	83722	1,99	down
6386456	7189518	1348519	polo-like kinase 2 (Drosophila)	Plk2	83722	1,39	down
6392393	7189518	1348523	polo-like kinase 2 (Drosophila)	Plk2	83722	1,57	down
6466203	7189518	1348513	polo-like kinase 2 (Drosophila)	Plk2	83722	1,68	up
6553856	7189518	1348518	polo-like kinase 2 (Drosophila)	Plk2	83722	1,20	down
6669663	7189518	1348516	polo-like kinase 2 (Drosophila)	Plk2	83722	1,90	up
6685311	7189518	1348521	polo-like kinase 2 (Drosophila)	Plk2	83722	1,12	down
6734185	7189518	1348520	polo-like kinase 2 (Drosophila)	Plk2	83722	1,87	up
5682946	7258670	1519334	poly (ADP-ribose) polymerase family, member 11	Parp11	500323	1,63	down
5824837	7258670	1519343	poly (ADP-ribose) polymerase family, member 11	Parp11	500323	1,26	up
6023777	7258670	1519335	poly (ADP-ribose) polymerase family, member 11	Parp11	500323	1,01	down
6200265	7258670	1519346	poly (ADP-ribose) polymerase family, member 11	Parp11	500323	1,55	up
5737758	7349772	1744447	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,04	up
5813323	7349772	1744456	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,31	down
5879605	7349772	1744454	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	2,22	up
6056876	7349772	1744452	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,23	up
6265951	7349772	1744451	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,36	down
6336567	7349772	1744455	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,90	up
6424654	7349772	1744448	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,54	up
6449820	7349772	1744453	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,00	up
6495486	7349772	1744450	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,09	up
6590515	7349772	1744449	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,10	down
6701415	7349772	1744446	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,94	down
5752835	7093806	1112155	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,09	up
5784855	7093806	1112163	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	3,35	down
5798486	7093806	1112159	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,64	up
5885645	7093806	1112158	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,47	up
5951632	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,54	up
5991141	7093806	1112165	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,57	up
6004110	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,31	up
6165073	7093806	1112148	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,18	up
6168404	7093806	1112152	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,78	up
6207817	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,35	up
6246953	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,17	up
6289607	7093806	1112148	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,21	up
6310225	7093806	1112147	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	4,31	down
6352468	7093806	1112148	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,35	up
6366690	7093806	1112150	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	2,47	up
6438646	7093806	1112164	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,40	up
6662237	7093806	1112157	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,79	up
5695018	7131764	1205858	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,18	down
5775304	7131764	1205859	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,07	up
5899536	7131764	1205855	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,07	down
5962845	7131764	1205857	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,00	up
6042890	7131764	1205854	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,14	up
6045247	7131764	1205856	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,17	down
6134502	7131764	1205860	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,04	up
6307031	7131764	1205852	poly(A) binding protein, nuclear 1	Pabpn1	116697	2,13	down
6546449	7131764	1205852	poly(A) binding protein, nuclear 1	Pabpn1	116697	1,22	up
5628544	7360213	1770145	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,58	up
5642717	7360213	1770162	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,09	down
5699172	7360213	1770168	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,41	up
5725201	7360213	1770149	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,09	down
5730047	7360213	1770162	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,17	up
5764445	7360213	1770184	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,03	up

5870509	7360213	1770173	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,15	down
5901724	7360213	1770167	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,10	down
5926350	7360213	1770148	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,06	up
5937480	7360213	1770179	polycystic kidney and hepatic disease 1	Pkhd1	301287	2,15	down
5961114	7360213	1770176	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,22	up
6022787	7360213	1770173	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,13	down
6080879	7360213	1770178	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,02	down
6118692	7360213	1770177	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,05	down
6195484	7360213	1770146	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,59	up
6216745	7360213	1770152	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,12	up
6237985	7360213	1770172	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,71	up
6252616	7360213	1770168	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,29	down
6324494	7360213	1770147	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,53	down
6433624	7360213	1770151	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,12	up
6470549	7360213	1770149	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,04	up
6516141	7360213	1770185	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,18	down
6552029	7360213	1770146	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,06	down
6554331	7360213	1770180	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,04	up
6596211	7360213	1770182	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,29	down
6628372	7360213	1770161	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,21	down
6644880	7360213	1770150	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,11	down
6648201	7360213	1770167	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,21	up
6716232	7360213	1770190	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,04	down
5626049	7316644	1663989	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,07	up
5709379	7316644	1663995	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,41	up
5747029	7316644	1663993	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,05	down
5757767	7316644	1663976	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,16	down
5790995	7316644	1663976	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,25	down
5831793	7316644	1663995	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,47	up
5876177	7316644	1663974	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,17	down
5946549	7316644	1663992	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,00	down
5955671	7316644	1663983	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,54	down
6007944	7316644	1663979	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,01	up
6016054	7316644	1663994	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,18	up
6046748	7316644	1663996	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,01	down
6052533	7316644	1663997	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,01	up
6060078	7316644	1663982	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,00	down
6155958	7316644	1663990	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,17	up
6283804	7316644	1663988	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,06	up
6364388	7316644	1663980	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,04	down
6584050	7316644	1663999	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,01	up
6631672	7316644	1663991	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,36	up
6665997	7316644	1663998	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,10	up
6681750	7316644	1663981	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,27	down
6721496	7316644	1663991	polycystic kidney and hepatic disease 1-like 1	Pkhd111	314917	1,21	up
5617874	7269314	1545624	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,52	down
5661875	7269314	1545618	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,03	up
5697607	7269314	1545614	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,10	down
5749861	7269314	1545623	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,44	down
5824038	7269314	1545613	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,16	down
5845682	7269314	1545610	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,15	up
5983032	7269314	1545609	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,15	down
5983873	7269314	1545616	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,28	down
5985461	7269314	1545624	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,11	up
6043126	7269314	1545612	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,68	up
6138072	7269314	1545616	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,18	up

6195935	7269314	1545618	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,56	down
6221589	7269314	1545617	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,15	up
6230395	7269314	1545620	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,31	up
6284963	7269314	1545614	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,89	up
6306820	7269314	1545611	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,07	down
6324719	7269314	1545616	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,00	down
6328268	7269314	1545615	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,06	up
6447438	7269314	1545621	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,12	down
6584425	7269314	1545616	polyhomeotic-like 1 (Drosophila)	Phc1	312690	2,79	down
6610160	7269314	1545622	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,28	up
6619619	7269314	1545609	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,05	down
6675072	7269314	1545623	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,25	down
6699035	7269314	1545616	polyhomeotic-like 1 (Drosophila)	Phc1	312690	1,39	up
5684715	7103337	1135942	polymerase (DNA directed), epsilon	Pole	304573	1,26	down
5724937	7103337	1135979	polymerase (DNA directed), epsilon	Pole	304573	1,17	up
5763878	7103337	1135962	polymerase (DNA directed), epsilon	Pole	304573	1,50	up
5774810	7103337	1135953	polymerase (DNA directed), epsilon	Pole	304573	1,07	up
5781681	7103337	1135981	polymerase (DNA directed), epsilon	Pole	304573	1,09	up
5804254	7103337	1135951	polymerase (DNA directed), epsilon	Pole	304573	1,05	up
5818490	7103337	1135937	polymerase (DNA directed), epsilon	Pole	304573	1,36	up
5874239	7103337	1135957	polymerase (DNA directed), epsilon	Pole	304573	1,74	up
5875853	7103337	1135935	polymerase (DNA directed), epsilon	Pole	304573	1,08	up
5891244	7103337	1135953	polymerase (DNA directed), epsilon	Pole	304573	1,47	down
5928543	7103337	1135948	polymerase (DNA directed), epsilon	Pole	304573	1,51	down
5949004	7103337	1135968	polymerase (DNA directed), epsilon	Pole	304573	1,37	down
5954660	7103337	1135935	polymerase (DNA directed), epsilon	Pole	304573	1,11	up
6020458	7103337	1135973	polymerase (DNA directed), epsilon	Pole	304573	1,55	down
6020617	7103337	1135984	polymerase (DNA directed), epsilon	Pole	304573	1,29	up
6054606	7103337	1135976	polymerase (DNA directed), epsilon	Pole	304573	1,01	down
6078996	7103337	1135988	polymerase (DNA directed), epsilon	Pole	304573	1,19	up
6107896	7103337	1135969	polymerase (DNA directed), epsilon	Pole	304573	1,04	up
6121823	7103337	1135942	polymerase (DNA directed), epsilon	Pole	304573	1,74	up
6122617	7103337	1135965	polymerase (DNA directed), epsilon	Pole	304573	1,61	down
6125369	7103337	1135938	polymerase (DNA directed), epsilon	Pole	304573	1,53	down
6126515	7103337	1135948	polymerase (DNA directed), epsilon	Pole	304573	1,21	down
6137174	7103337	1135942	polymerase (DNA directed), epsilon	Pole	304573	1,66	down
6216468	7103337	1135971	polymerase (DNA directed), epsilon	Pole	304573	1,87	down
6219328	7103337	1135980	polymerase (DNA directed), epsilon	Pole	304573	1,14	up
6221978	7103337	1135960	polymerase (DNA directed), epsilon	Pole	304573	1,15	up
6273454	7103337	1135977	polymerase (DNA directed), epsilon	Pole	304573	1,70	down
6276645	7103337	1135966	polymerase (DNA directed), epsilon	Pole	304573	1,09	up
6291115	7103337	1135956	polymerase (DNA directed), epsilon	Pole	304573	1,08	down
6305860	7103337	1135974	polymerase (DNA directed), epsilon	Pole	304573	1,03	down
6313601	7103337	1135959	polymerase (DNA directed), epsilon	Pole	304573	1,00	up
6333894	7103337	1135936	polymerase (DNA directed), epsilon	Pole	304573	1,71	down
6339142	7103337	1135975	polymerase (DNA directed), epsilon	Pole	304573	1,04	down
6371351	7103337	1135970	polymerase (DNA directed), epsilon	Pole	304573	1,06	up
6388939	7103337	1135952	polymerase (DNA directed), epsilon	Pole	304573	1,03	up
6392333	7103337	1135967	polymerase (DNA directed), epsilon	Pole	304573	1,20	down
6397659	7103337	1135985	polymerase (DNA directed), epsilon	Pole	304573	1,31	down
6407657	7103337	1135983	polymerase (DNA directed), epsilon	Pole	304573	1,04	down
6414395	7103337	1135977	polymerase (DNA directed), epsilon	Pole	304573	1,02	up
6441996	7103337	1135950	polymerase (DNA directed), epsilon	Pole	304573	1,44	down
6480457	7103337	1135961	polymerase (DNA directed), epsilon	Pole	304573	1,08	up
6506592	7103337	1135940	polymerase (DNA directed), epsilon	Pole	304573	1,10	down
6521657	7103337	1135945	polymerase (DNA directed), epsilon	Pole	304573	1,00	up

6547838	7103337	1135971	polymerase (DNA directed), epsilon	Pole	304573	1,08	down
6557768	7103337	1135954	polymerase (DNA directed), epsilon	Pole	304573	1,01	up
6591357	7103337	1135982	polymerase (DNA directed), epsilon	Pole	304573	1,92	down
6642847	7103337	1135986	polymerase (DNA directed), epsilon	Pole	304573	1,96	down
6657513	7103337	1135939	polymerase (DNA directed), epsilon	Pole	304573	1,38	down
6688912	7103337	1135972	polymerase (DNA directed), epsilon	Pole	304573	1,08	up
6696493	7103337	1135958	polymerase (DNA directed), epsilon	Pole	304573	1,06	up
6700296	7103337	1135938	polymerase (DNA directed), epsilon	Pole	304573	1,36	down
6707339	7103337	1135949	polymerase (DNA directed), epsilon	Pole	304573	1,05	up
6733766	7103337	1135978	polymerase (DNA directed), epsilon	Pole	304573	1,11	up
5665627	7232482	1453963	polymerase (RNA) I polypeptide B	Polr1b	83582	1,27	up
5737487	7232482	1453951	polymerase (RNA) I polypeptide B	Polr1b	83582	1,11	down
5788480	7232482	1453950	polymerase (RNA) I polypeptide B	Polr1b	83582	1,42	down
5802346	7232482	1453955	polymerase (RNA) I polypeptide B	Polr1b	83582	1,16	down
5802804	7232482	1453954	polymerase (RNA) I polypeptide B	Polr1b	83582	2,06	up
5822888	7232482	1453959	polymerase (RNA) I polypeptide B	Polr1b	83582	1,07	down
5893491	7232482	1453963	polymerase (RNA) I polypeptide B	Polr1b	83582	1,32	up
5967469	7232482	1453952	polymerase (RNA) I polypeptide B	Polr1b	83582	1,19	down
5970957	7232482	1453954	polymerase (RNA) I polypeptide B	Polr1b	83582	1,10	down
6012758	7232482	1453956	polymerase (RNA) I polypeptide B	Polr1b	83582	1,27	down
6166373	7232482	1453949	polymerase (RNA) I polypeptide B	Polr1b	83582	1,09	down
6300396	7232482	1453962	polymerase (RNA) I polypeptide B	Polr1b	83582	1,20	down
6301400	7232482	1453958	polymerase (RNA) I polypeptide B	Polr1b	83582	1,34	up
6382244	7232482	1453953	polymerase (RNA) I polypeptide B	Polr1b	83582	2,09	up
6415438	7232482	1453957	polymerase (RNA) I polypeptide B	Polr1b	83582	1,11	up
6433546	7232482	1453961	polymerase (RNA) I polypeptide B	Polr1b	83582	1,30	up
6468984	7232482	1453960	polymerase (RNA) I polypeptide B	Polr1b	83582	1,51	up
6469828	7232482	1453964	polymerase (RNA) I polypeptide B	Polr1b	83582	1,72	down
6528376	7232482	1453957	polymerase (RNA) I polypeptide B	Polr1b	83582	1,06	down
5710803	7330078	1695462	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,06	down
5724051	7330078	1695462	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,33	up
5887079	7330078	1695466	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,33	down
6185209	7330078	1695470	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,07	up
6499088	7330078	1695467	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,47	up
6545078	7330078	1695464	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,03	down
6571373	7330078	1695468	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,17	down
6686250	7330078	1695463	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	2,55	up
6704473	7330078	1695470	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,39	up
6725766	7330078	1695462	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	Polr3h	300088	1,01	up
5649234	7312621	1653460	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,28	down
5686373	7312621	1653453	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,37	up
5691829	7312621	1653463	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,12	down
5705983	7312621	1653462	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,32	down
5707941	7312621	1653450	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,24	down
5756521	7312621	1653460	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,37	down
5794660	7312621	1653459	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,19	up
5802003	7312621	1653454	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,14	up
5818308	7312621	1653457	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,03	up
5926671	7312621	1653461	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,07	up
5951440	7312621	1653448	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,11	up
6114182	7312621	1653456	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,39	up
6123696	7312621	1653449	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,09	up
6226703	7312621	1653459	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,12	down
6318639	7312621	1653461	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,06	down
6540231	7312621	1653461	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,27	up
6621145	7312621	1653455	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,07	up

6666287	7312621	1653452	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	2,24	down
6679035	7312621	1653458	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,03	down
6684887	7312621	1653461	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,03	down
6722750	7312621	1653451	polymerase (RNA) mitochondrial (DNA directed)	Polrmt	299604	1,77	up
5744509	7373634	1805731	porcupine homolog (Drosophila)	Porcn	317368	1,39	down
5780688	7373634	1805728	porcupine homolog (Drosophila)	Porcn	317368	1,22	up
5788828	7373634	1805727	porcupine homolog (Drosophila)	Porcn	317368	1,18	down
5863258	7373634	1805722	porcupine homolog (Drosophila)	Porcn	317368	1,18	up
6081624	7373634	1805731	porcupine homolog (Drosophila)	Porcn	317368	1,11	down
6126419	7373634	1805720	porcupine homolog (Drosophila)	Porcn	317368	1,38	down
6140592	7373634	1805727	porcupine homolog (Drosophila)	Porcn	317368	1,20	down
6259183	7373634	1805721	porcupine homolog (Drosophila)	Porcn	317368	1,10	up
6286449	7373634	1805723	porcupine homolog (Drosophila)	Porcn	317368	1,10	down
6412675	7373634	1805726	porcupine homolog (Drosophila)	Porcn	317368	2,38	down
6522420	7373634	1805730	porcupine homolog (Drosophila)	Porcn	317368	1,01	up
6589199	7373634	1805731	porcupine homolog (Drosophila)	Porcn	317368	1,67	down
6692294	7373634	1805721	porcupine homolog (Drosophila)	Porcn	317368	1,31	up
5846447	7217269	1415908	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,24	up
5897750	7217269	1415909	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,03	down
5952374	7217269	1415912	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,16	down
6155974	7217269	1415910	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,11	up
6179978	7217269	1415908	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,10	up
6195243	7217269	1415904	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,06	up
6197938	7217269	1415908	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,22	up
6228305	7217269	1415913	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,26	up
6282014	7217269	1415913	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,22	up
6431839	7217269	1415911	potassium channel tetramerisation domain containing 20	Kctd20	294307	1,08	down
5917462	7101564	1131398	potassium channel tetramerisation domain containing 7	Kctd7	688993	1,22	down
6110152	7101564	1131395	potassium channel tetramerisation domain containing 7	Kctd7	688993	1,14	down
6357550	7101564	1131392	potassium channel tetramerisation domain containing 7	Kctd7	688993	1,15	down
6421119	7101564	1131399	potassium channel tetramerisation domain containing 7	Kctd7	688993	1,28	up
6429695	7101564	1131394	potassium channel tetramerisation domain containing 7	Kctd7	688993	1,42	down
6473595	7101564	1131399	potassium channel tetramerisation domain containing 7	Kctd7	688993	1,16	down
6496588	7101564	1131393	potassium channel tetramerisation domain containing 7	Kctd7	688993	1,08	up
5633112	7029611	959795	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,01	down
5723210	7029611	959797	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,06	up
5910594	7029611	959793	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,26	up
6015484	7029611	959790	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,04	down
6124358	7029611	959797	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,02	down
6125672	7029611	959797	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,00	up
6153899	7029611	959797	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,91	down
6206243	7029611	959791	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,14	up
6299660	7029611	959796	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,07	down
6438071	7029611	959789	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,45	up
6461778	7029611	959797	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,17	down
6535255	7029611	959794	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,23	down
6641487	7029611	959792	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	1,01	up
6713921	7029611	959796	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn4	65206	2,42	up
5703978	7247687	1491775	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	Kcns1	117023	1,01	up
5716422	7247687	1491776	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	Kcns1	117023	1,08	down
5886617	7247687	1491778	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	Kcns1	117023	1,59	up
5900657	7247687	1491776	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	Kcns1	117023	1,43	up
6427365	7247687	1491779	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	Kcns1	117023	1,07	up
6462005	7247687	1491777	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	Kcns1	117023	2,53	down
6486391	7247687	1491777	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	Kcns1	117023	1,59	down
5635713	7194678	1362480	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,10	up

5639913	7194678	1362471	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	2,15	down
5675388	7194678	1362482	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,02	down
5792562	7194678	1362477	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,06	up
6062642	7194678	1362478	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,05	up
6094245	7194678	1362472	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,05	up
6117006	7194678	1362470	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,20	up
6215749	7194678	1362469	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,16	up
6326439	7194678	1362481	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,20	up
6341014	7194678	1362476	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,53	down
6414912	7194678	1362479	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,45	down
6431685	7194678	1362473	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,08	down
6495586	7194678	1362474	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,19	up
6629317	7194678	1362483	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,75	down
6682553	7194678	1362475	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Kcnab1	29737	1,37	up
5649397	7303009	1629518	potassium voltage-gated channel, subfamily G, member 3	Kcng3	171011	1,70	up
5708402	7303009	1629519	potassium voltage-gated channel, subfamily G, member 3	Kcng3	171011	1,16	up
5754024	7303009	1629518	potassium voltage-gated channel, subfamily G, member 3	Kcng3	171011	1,21	up
5844261	7303009	1629519	potassium voltage-gated channel, subfamily G, member 3	Kcng3	171011	1,04	down
5972681	7303009	1629519	potassium voltage-gated channel, subfamily G, member 3	Kcng3	171011	4,32	down
5753596	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,23	up
5785589	7320620	1673889	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	2,20	up
5824231	7320620	1673894	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,34	up
5845843	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,29	up
5981434	7320620	1673892	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,24	up
6001266	7320620	1673885	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,30	up
6028656	7320620	1673895	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,12	up
6113490	7320620	1673898	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,08	down
6147106	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,34	down
6153946	7320620	1673890	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,58	down
6252741	7320620	1673883	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,01	up
6268533	7320620	1673888	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,20	down
6289024	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,04	down
6305849	7320620	1673895	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,18	up
6408283	7320620	1673896	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	2,09	down
6409449	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,38	down
6437375	7320620	1673884	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,73	up
6477970	7320620	1673893	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,19	up
6505191	7320620	1673894	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,01	up
6530626	7320620	1673886	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,05	up
6532530	7320620	1673891	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,53	up
6687785	7320620	1673887	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,06	down
5628277	7082741	1085562	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,16	up
5652238	7082741	1085555	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,25	up
5712226	7082741	1085565	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,11	down
5807642	7082741	1085564	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,04	up
5930860	7082741	1085558	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,05	down
5940448	7082741	1085553	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,12	up
6042721	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,17	down
6281865	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,02	up
6324496	7082741	1085560	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,06	up
6348417	7082741	1085551	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,25	up
6351160	7082741	1085554	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,17	up
6362908	7082741	1085567	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,03	up
6408923	7082741	1085552	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,86	down
6460721	7082741	1085553	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,03	down
6470717	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,34	down

6472261	7082741	1085557	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcnh4	114032	1,61	up
6502260	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcnh4	114032	1,17	down
6511680	7082741	1085567	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcnh4	114032	1,69	up
6567629	7082741	1085566	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcnh4	114032	1,02	down
6645294	7082741	1085559	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcnh4	114032	1,32	up
6649164	7082741	1085563	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcnh4	114032	1,48	down
6672746	7082741	1085561	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcnh4	114032	2,13	down
5623033	7038687	982286	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,02	down
5703257	7038687	982272	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,12	up
5766946	7038687	982283	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,05	down
5804817	7038687	982281	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,08	down
5932849	7038687	982285	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,25	down
5937585	7038687	982282	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,06	down
5972427	7038687	982276	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,02	down
6002364	7038687	982287	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,32	up
6033147	7038687	982280	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,08	up
6096079	7038687	982274	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	2,11	up
6096339	7038687	982284	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,15	up
6103780	7038687	982275	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,17	down
6126006	7038687	982281	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,22	up
6225121	7038687	982274	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,36	down
6319593	7038687	982272	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,00	up
6384742	7038687	982277	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,02	down
6502103	7038687	982278	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,05	up
6560574	7038687	982279	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,12	down
6661089	7038687	982273	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,04	up
5627778	7328457	1691498	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,65	up
5648197	7328457	1691506	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,28	up
5740656	7328457	1691512	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,36	up
5873064	7328457	1691510	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	2,20	up
5984777	7328457	1691502	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,07	up
5993248	7328457	1691500	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,06	down
6032274	7328457	1691498	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,70	down
6084896	7328457	1691511	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,33	up
6117878	7328457	1691515	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,21	down
6139555	7328457	1691512	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,28	down
6156527	7328457	1691505	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,89	down
6209328	7328457	1691504	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,31	down
6211257	7328457	1691498	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,75	up
6270314	7328457	1691513	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,53	down
6330445	7328457	1691499	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,51	down
6399908	7328457	1691507	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,04	up
6442434	7328457	1691509	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,28	up
6506360	7328457	1691508	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,50	up
6506692	7328457	1691514	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,60	down
6569339	7328457	1691501	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,11	up
6683433	7328457	1691503	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,76	up
5834689	7360325	1770520	potassium voltage-gated channel, subfamily Q, member 5-like	Kcnq5l	259273	1,01	down
6490227	7360325	1770519	potassium voltage-gated channel, subfamily Q, member 5-like	Kcnq5l	259273	2,61	up
5638769	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,09	up
5654494	7344630	1731948	POU class 2 homeobox 3	Pou2f3	116544	1,47	up
5747986	7344630	1731946	POU class 2 homeobox 3	Pou2f3	116544	1,03	up
5817852	7344630	1731959	POU class 2 homeobox 3	Pou2f3	116544	1,17	up
5907980	7344630	1731959	POU class 2 homeobox 3	Pou2f3	116544	1,33	down
5949752	7344630	1731939	POU class 2 homeobox 3	Pou2f3	116544	1,33	up
5962780	7344630	1731949	POU class 2 homeobox 3	Pou2f3	116544	1,43	down

5977773	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,18	up
6112017	7344630	1731957	POU class 2 homeobox 3	Pou2f3	116544	1,35	up
6173192	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,60	down
6202841	7344630	1731955	POU class 2 homeobox 3	Pou2f3	116544	1,09	up
6222752	7344630	1731950	POU class 2 homeobox 3	Pou2f3	116544	1,02	up
6283619	7344630	1731940	POU class 2 homeobox 3	Pou2f3	116544	1,13	down
6286402	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	3,07	down
6334946	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,07	down
6488101	7344630	1731943	POU class 2 homeobox 3	Pou2f3	116544	1,03	down
6521125	7344630	1731945	POU class 2 homeobox 3	Pou2f3	116544	1,05	down
6566502	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,16	down
6618961	7344630	1731948	POU class 2 homeobox 3	Pou2f3	116544	1,02	up
6703066	7344630	1731947	POU class 2 homeobox 3	Pou2f3	116544	1,13	up
6303489	7141421	1229478	POU class 4 homeobox 1	Pou4f1	114503	1,01	down
5983690	7331829	1700175	POU class 6 homeobox 1	Pou6f1	116545	1,15	up
5991347	7331829	1700176	POU class 6 homeobox 1	Pou6f1	116545	1,07	up
6020389	7331829	1700177	POU class 6 homeobox 1	Pou6f1	116545	1,57	up
6324791	7331829	1700173	POU class 6 homeobox 1	Pou6f1	116545	1,17	down
6414202	7331829	1700177	POU class 6 homeobox 1	Pou6f1	116545	1,37	up
6581165	7331829	1700172	POU class 6 homeobox 1	Pou6f1	116545	1,21	up
6624710	7331829	1700172	POU class 6 homeobox 1	Pou6f1	116545	1,02	up
6652406	7331829	1700174	POU class 6 homeobox 1	Pou6f1	116545	1,15	up
6723617	7331829	1700176	POU class 6 homeobox 1	Pou6f1	116545	1,43	down
5700457	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,13	up
5726421	7304938	1634830	PQ loop repeat containing 3	Pqlc3	298906	1,06	down
5745814	7304938	1634834	PQ loop repeat containing 3	Pqlc3	298906	1,57	down
5931376	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,11	down
6042013	7304938	1634832	PQ loop repeat containing 3	Pqlc3	298906	1,31	down
6101856	7304938	1634832	PQ loop repeat containing 3	Pqlc3	298906	1,16	down
6173774	7304938	1634835	PQ loop repeat containing 3	Pqlc3	298906	2,12	up
6213048	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,31	up
6234298	7304938	1634835	PQ loop repeat containing 3	Pqlc3	298906	1,24	down
6279735	7304938	1634836	PQ loop repeat containing 3	Pqlc3	298906	1,01	down
6344250	7304938	1634829	PQ loop repeat containing 3	Pqlc3	298906	1,63	up
6525005	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,07	down
6612234	7304938	1634833	PQ loop repeat containing 3	Pqlc3	298906	1,70	up
5635314	7224182	1432766	PR domain containing 1, with ZNF domain	Prdm1	309871	1,49	down
5647043	7224182	1432754	PR domain containing 1, with ZNF domain	Prdm1	309871	1,41	up
5824121	7224182	1432760	PR domain containing 1, with ZNF domain	Prdm1	309871	1,82	up
5865545	7224182	1432766	PR domain containing 1, with ZNF domain	Prdm1	309871	1,64	up
5961719	7224182	1432757	PR domain containing 1, with ZNF domain	Prdm1	309871	1,15	up
5981825	7224182	1432762	PR domain containing 1, with ZNF domain	Prdm1	309871	1,24	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	1,25	up
6631091	7224182	1432756	PR domain containing 1, with ZNF domain	Prdm1	309871	1,30	up
6635123	7224182	1432758	PR domain containing 1, with ZNF domain	Prdm1	309871	2,18	up
5784698	7334347	1705771	PR domain containing 10	Prdm10	500964	1,37	up
5860794	7334347	1705772	PR domain containing 10	Prdm10	500964	1,23	down
5912591	7334347	1705764	PR domain containing 10	Prdm10	500964	1,49	up
6024910	7334347	1705761	PR domain containing 10	Prdm10	500964	1,22	down
6046468	7334347	1705772	PR domain containing 10	Prdm10	500964	1,11	down
6059568	7334347	1705773	PR domain containing 10	Prdm10	500964	1,65	up
6070844	7334347	1705774	PR domain containing 10	Prdm10	500964	1,30	up
6083033	7334347	1705757	PR domain containing 10	Prdm10	500964	1,13	up
6103271	7334347	1705760	PR domain containing 10	Prdm10	500964	1,13	down
6126350	7334347	1705769	PR domain containing 10	Prdm10	500964	1,05	down

6133869	7334347	1705762	PR domain containing 10	Prdm10	500964	1,10	up
6232773	7334347	1705770	PR domain containing 10	Prdm10	500964	1,04	up
6288287	7334347	1705758	PR domain containing 10	Prdm10	500964	1,30	down
6299834	7334347	1705766	PR domain containing 10	Prdm10	500964	1,88	up
6350935	7334347	1705751	PR domain containing 10	Prdm10	500964	1,07	up
6516972	7334347	1705771	PR domain containing 10	Prdm10	500964	1,01	up
6563126	7334347	1705768	PR domain containing 10	Prdm10	500964	1,16	down
6634710	7334347	1705765	PR domain containing 10	Prdm10	500964	1,28	up
6664751	7334347	1705763	PR domain containing 10	Prdm10	500964	1,02	up
5901032	7284359	1583439	PR domain containing 13	Prdm13	689695	1,07	up
5631321	7123357	1185595	PR domain containing 8	Prdm8	305198	1,39	down
5660947	7123357	1185595	PR domain containing 8	Prdm8	305198	1,03	up
5798390	7123357	1185599	PR domain containing 8	Prdm8	305198	1,08	down
6063092	7123357	1185597	PR domain containing 8	Prdm8	305198	1,10	up
6093123	7123357	1185595	PR domain containing 8	Prdm8	305198	1,05	up
6148877	7123357	1185595	PR domain containing 8	Prdm8	305198	1,28	up
6306011	7123357	1185596	PR domain containing 8	Prdm8	305198	1,39	down
6381485	7123357	1185595	PR domain containing 8	Prdm8	305198	1,08	down
6439607	7123357	1185593	PR domain containing 8	Prdm8	305198	1,32	down
6484926	7123357	1185595	PR domain containing 8	Prdm8	305198	1,03	up
6530002	7123357	1185594	PR domain containing 8	Prdm8	305198	1,37	up
6716270	7123357	1185595	PR domain containing 8	Prdm8	305198	1,49	up
6736887	7123357	1185595	PR domain containing 8	Prdm8	305198	1,06	up
5906729	7152038	1255385	pragma of Rnd2	Pragmin	306506	1,62	down
5954232	7152038	1255378	pragma of Rnd2	Pragmin	306506	1,17	up
5962590	7152038	1255398	pragma of Rnd2	Pragmin	306506	1,29	down
6037977	7152038	1255398	pragma of Rnd2	Pragmin	306506	2,22	up
6058114	7152038	1255378	pragma of Rnd2	Pragmin	306506	1,19	down
6168915	7152038	1255400	pragma of Rnd2	Pragmin	306506	1,05	up
6255388	7152038	1255400	pragma of Rnd2	Pragmin	306506	1,32	up
6394718	7152038	1255398	pragma of Rnd2	Pragmin	306506	1,12	up
6436806	7152038	1255400	pragma of Rnd2	Pragmin	306506	1,24	up
6468769	7152038	1255380	pragma of Rnd2	Pragmin	306506	1,08	down
5693948	7275927	1562402	pregnancy-associated plasma protein A	Pappa	313262	1,38	up
5729539	7275927	1562338	pregnancy-associated plasma protein A	Pappa	313262	1,94	up
5753790	7275927	1562359	pregnancy-associated plasma protein A	Pappa	313262	1,03	down
5767339	7275927	1562409	pregnancy-associated plasma protein A	Pappa	313262	1,37	up
5779676	7275927	1562348	pregnancy-associated plasma protein A	Pappa	313262	1,29	up
5801182	7275927	1562389	pregnancy-associated plasma protein A	Pappa	313262	1,06	down
5836632	7275927	1562384	pregnancy-associated plasma protein A	Pappa	313262	1,46	down
5843974	7275927	1562406	pregnancy-associated plasma protein A	Pappa	313262	1,45	up
5898423	7275927	1562348	pregnancy-associated plasma protein A	Pappa	313262	2,38	up
5905847	7275927	1562394	pregnancy-associated plasma protein A	Pappa	313262	1,16	up
5970229	7275927	1562387	pregnancy-associated plasma protein A	Pappa	313262	1,62	up
6063693	7275927	1562372	pregnancy-associated plasma protein A	Pappa	313262	1,10	up
6072280	7275927	1562385	pregnancy-associated plasma protein A	Pappa	313262	1,07	down
6201231	7275927	1562387	pregnancy-associated plasma protein A	Pappa	313262	1,12	down
6202955	7275927	1562357	pregnancy-associated plasma protein A	Pappa	313262	1,01	down
6209046	7275927	1562393	pregnancy-associated plasma protein A	Pappa	313262	1,54	down
6222409	7275927	1562365	pregnancy-associated plasma protein A	Pappa	313262	1,27	down
6254329	7275927	1562358	pregnancy-associated plasma protein A	Pappa	313262	1,27	down
6307161	7275927	1562364	pregnancy-associated plasma protein A	Pappa	313262	1,04	down
6367016	7275927	1562401	pregnancy-associated plasma protein A	Pappa	313262	1,03	down
6469479	7275927	1562389	pregnancy-associated plasma protein A	Pappa	313262	1,24	down
6496915	7275927	1562407	pregnancy-associated plasma protein A	Pappa	313262	1,11	down
6538250	7275927	1562355	pregnancy-associated plasma protein A	Pappa	313262	1,39	up

6568710	7275927	1562388	pregnancy-associated plasma protein A	Pappa	313262	1,89	down
6692309	7275927	1562356	pregnancy-associated plasma protein A	Pappa	313262	2,38	up
6698488	7275927	1562409	pregnancy-associated plasma protein A	Pappa	313262	1,27	up
5630308	7097454	1120875	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,85	up
5724518	7097454	1120878	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,17	up
5734640	7097454	1120877	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	2,28	down
5876446	7097454	1120873	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,61	down
6452133	7097454	1120874	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,30	down
6518015	7097454	1120879	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,12	down
6546378	7097454	1120873	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,04	down
5634751	7236254	1464079	procollagen, type IX, alpha 3	Col9a3	362285	1,03	up
5750330	7236254	1464077	procollagen, type IX, alpha 3	Col9a3	362285	1,30	up
5895504	7236254	1464076	procollagen, type IX, alpha 3	Col9a3	362285	1,08	down
6172709	7236254	1464079	procollagen, type IX, alpha 3	Col9a3	362285	1,48	down
6176230	7236254	1464076	procollagen, type IX, alpha 3	Col9a3	362285	1,16	up
6448927	7236254	1464077	procollagen, type IX, alpha 3	Col9a3	362285	1,02	up
6524902	7236254	1464082	procollagen, type IX, alpha 3	Col9a3	362285	1,10	down
6578811	7236254	1464080	procollagen, type IX, alpha 3	Col9a3	362285	1,22	down
6656358	7236254	1464078	procollagen, type IX, alpha 3	Col9a3	362285	1,10	down
5716629	7365183	1781939	procollagen, type VI, alpha 3	Col6a3	367313	1,04	up
5738070	7365183	1781930	procollagen, type VI, alpha 3	Col6a3	367313	1,11	up
5766354	7365183	1781927	procollagen, type VI, alpha 3	Col6a3	367313	1,15	down
5776038	7365183	1781941	procollagen, type VI, alpha 3	Col6a3	367313	1,32	down
5825017	7365183	1781936	procollagen, type VI, alpha 3	Col6a3	367313	1,44	down
5891174	7365183	1781934	procollagen, type VI, alpha 3	Col6a3	367313	1,34	down
5912960	7365183	1781922	procollagen, type VI, alpha 3	Col6a3	367313	1,00	down
5977249	7365183	1781931	procollagen, type VI, alpha 3	Col6a3	367313	1,41	up
5996584	7365183	1781929	procollagen, type VI, alpha 3	Col6a3	367313	1,05	up
6019851	7365183	1781938	procollagen, type VI, alpha 3	Col6a3	367313	1,61	up
6023043	7365183	1781924	procollagen, type VI, alpha 3	Col6a3	367313	1,09	down
6048102	7365183	1781945	procollagen, type VI, alpha 3	Col6a3	367313	1,00	up
6129551	7365183	1781922	procollagen, type VI, alpha 3	Col6a3	367313	1,16	up
6148756	7365183	1781933	procollagen, type VI, alpha 3	Col6a3	367313	1,18	down
6233004	7365183	1781944	procollagen, type VI, alpha 3	Col6a3	367313	1,02	up
6323407	7365183	1781944	procollagen, type VI, alpha 3	Col6a3	367313	1,04	up
6323926	7365183	1781946	procollagen, type VI, alpha 3	Col6a3	367313	1,18	down
6334172	7365183	1781926	procollagen, type VI, alpha 3	Col6a3	367313	1,90	down
6343705	7365183	1781925	procollagen, type VI, alpha 3	Col6a3	367313	1,05	down
6362543	7365183	1781932	procollagen, type VI, alpha 3	Col6a3	367313	1,50	up
6362720	7365183	1781937	procollagen, type VI, alpha 3	Col6a3	367313	1,03	down
6608834	7365183	1781925	procollagen, type VI, alpha 3	Col6a3	367313	1,38	down
6618950	7365183	1781923	procollagen, type VI, alpha 3	Col6a3	367313	1,23	up
6643334	7365183	1781928	procollagen, type VI, alpha 3	Col6a3	367313	1,01	up
6732985	7365183	1781940	procollagen, type VI, alpha 3	Col6a3	367313	1,01	down
5622503	7340506	1721347	procollagen, type VII, alpha 1	Col7a1	301012	1,10	up
5645738	7340506	1721316	procollagen, type VII, alpha 1	Col7a1	301012	1,41	down
5658874	7340506	1721304	procollagen, type VII, alpha 1	Col7a1	301012	1,15	down
5674418	7340506	1721363	procollagen, type VII, alpha 1	Col7a1	301012	1,12	up
5686626	7340506	1721331	procollagen, type VII, alpha 1	Col7a1	301012	1,07	down
5703984	7340506	1721361	procollagen, type VII, alpha 1	Col7a1	301012	1,02	down
5708101	7340506	1721365	procollagen, type VII, alpha 1	Col7a1	301012	1,35	up
5709301	7340506	1721336	procollagen, type VII, alpha 1	Col7a1	301012	1,18	down
5711166	7340506	1721274	procollagen, type VII, alpha 1	Col7a1	301012	1,00	down
5722383	7340506	1721278	procollagen, type VII, alpha 1	Col7a1	301012	1,14	down
5730147	7340506	1721293	procollagen, type VII, alpha 1	Col7a1	301012	1,35	down
5731558	7340506	1721340	procollagen, type VII, alpha 1	Col7a1	301012	2,51	up

5734799	7340506	1721285	procollagen, type VII, alpha 1	Col7a1	301012	1,86	down
5738931	7340506	1721266	procollagen, type VII, alpha 1	Col7a1	301012	1,15	up
5741049	7340506	1721255	procollagen, type VII, alpha 1	Col7a1	301012	1,47	up
5743896	7340506	1721307	procollagen, type VII, alpha 1	Col7a1	301012	1,17	up
5747105	7340506	1721324	procollagen, type VII, alpha 1	Col7a1	301012	1,66	down
5752971	7340506	1721288	procollagen, type VII, alpha 1	Col7a1	301012	1,01	down
5756117	7340506	1721286	procollagen, type VII, alpha 1	Col7a1	301012	1,34	down
5757541	7340506	1721296	procollagen, type VII, alpha 1	Col7a1	301012	1,36	down
5759667	7340506	1721280	procollagen, type VII, alpha 1	Col7a1	301012	1,11	up
5761292	7340506	1721316	procollagen, type VII, alpha 1	Col7a1	301012	1,16	up
5782297	7340506	1721298	procollagen, type VII, alpha 1	Col7a1	301012	1,04	down
5790214	7340506	1721346	procollagen, type VII, alpha 1	Col7a1	301012	1,29	up
5791675	7340506	1721350	procollagen, type VII, alpha 1	Col7a1	301012	1,04	up
5792306	7340506	1721290	procollagen, type VII, alpha 1	Col7a1	301012	1,07	down
5793884	7340506	1721257	procollagen, type VII, alpha 1	Col7a1	301012	1,59	down
5831339	7340506	1721320	procollagen, type VII, alpha 1	Col7a1	301012	1,09	up
5833947	7340506	1721282	procollagen, type VII, alpha 1	Col7a1	301012	1,36	up
5836744	7340506	1721289	procollagen, type VII, alpha 1	Col7a1	301012	1,30	down
5854673	7340506	1721323	procollagen, type VII, alpha 1	Col7a1	301012	1,41	up
5873600	7340506	1721303	procollagen, type VII, alpha 1	Col7a1	301012	1,35	down
5881827	7340506	1721339	procollagen, type VII, alpha 1	Col7a1	301012	1,05	down
5884835	7340506	1721300	procollagen, type VII, alpha 1	Col7a1	301012	1,15	up
5903363	7340506	1721333	procollagen, type VII, alpha 1	Col7a1	301012	1,12	up
5909738	7340506	1721352	procollagen, type VII, alpha 1	Col7a1	301012	1,25	down
5910135	7340506	1721343	procollagen, type VII, alpha 1	Col7a1	301012	1,29	down
5925691	7340506	1721271	procollagen, type VII, alpha 1	Col7a1	301012	1,11	down
5927701	7340506	1721277	procollagen, type VII, alpha 1	Col7a1	301012	1,16	up
5935120	7340506	1721313	procollagen, type VII, alpha 1	Col7a1	301012	1,30	up
5958362	7340506	1721308	procollagen, type VII, alpha 1	Col7a1	301012	1,05	down
5959798	7340506	1721302	procollagen, type VII, alpha 1	Col7a1	301012	1,23	down
5962949	7340506	1721315	procollagen, type VII, alpha 1	Col7a1	301012	1,01	up
5964019	7340506	1721351	procollagen, type VII, alpha 1	Col7a1	301012	1,74	up
5982176	7340506	1721321	procollagen, type VII, alpha 1	Col7a1	301012	1,07	down
5992414	7340506	1721334	procollagen, type VII, alpha 1	Col7a1	301012	1,02	down
5996601	7340506	1721364	procollagen, type VII, alpha 1	Col7a1	301012	1,47	up
5997515	7340506	1721314	procollagen, type VII, alpha 1	Col7a1	301012	1,14	up
6002995	7340506	1721310	procollagen, type VII, alpha 1	Col7a1	301012	1,60	down
6008032	7340506	1721267	procollagen, type VII, alpha 1	Col7a1	301012	1,01	up
6012643	7340506	1721356	procollagen, type VII, alpha 1	Col7a1	301012	1,06	up
6021148	7340506	1721276	procollagen, type VII, alpha 1	Col7a1	301012	1,08	up
6050693	7340506	1721363	procollagen, type VII, alpha 1	Col7a1	301012	1,32	down
6067092	7340506	1721329	procollagen, type VII, alpha 1	Col7a1	301012	1,78	up
6091504	7340506	1721295	procollagen, type VII, alpha 1	Col7a1	301012	1,08	up
6091553	7340506	1721297	procollagen, type VII, alpha 1	Col7a1	301012	1,02	up
6104009	7340506	1721268	procollagen, type VII, alpha 1	Col7a1	301012	1,16	down
6109596	7340506	1721258	procollagen, type VII, alpha 1	Col7a1	301012	1,24	up
6110467	7340506	1721322	procollagen, type VII, alpha 1	Col7a1	301012	1,07	down
6114483	7340506	1721311	procollagen, type VII, alpha 1	Col7a1	301012	1,01	down
6115480	7340506	1721355	procollagen, type VII, alpha 1	Col7a1	301012	1,59	down
6127235	7340506	1721279	procollagen, type VII, alpha 1	Col7a1	301012	1,39	up
6151248	7340506	1721335	procollagen, type VII, alpha 1	Col7a1	301012	1,50	up
6167376	7340506	1721273	procollagen, type VII, alpha 1	Col7a1	301012	1,11	down
6186197	7340506	1721261	procollagen, type VII, alpha 1	Col7a1	301012	1,78	up
6187783	7340506	1721344	procollagen, type VII, alpha 1	Col7a1	301012	1,09	down
6188367	7340506	1721275	procollagen, type VII, alpha 1	Col7a1	301012	1,33	down
6219144	7340506	1721318	procollagen, type VII, alpha 1	Col7a1	301012	1,02	down

6224334	7340506	1721348	procollagen, type VII, alpha 1	Col7a1	301012	1,75	up
6228539	7340506	1721328	procollagen, type VII, alpha 1	Col7a1	301012	1,19	down
6228604	7340506	1721281	procollagen, type VII, alpha 1	Col7a1	301012	1,07	down
6235286	7340506	1721362	procollagen, type VII, alpha 1	Col7a1	301012	2,11	up
6247739	7340506	1721325	procollagen, type VII, alpha 1	Col7a1	301012	1,25	down
6250676	7340506	1721336	procollagen, type VII, alpha 1	Col7a1	301012	1,45	down
6259904	7340506	1721360	procollagen, type VII, alpha 1	Col7a1	301012	1,99	up
6269954	7340506	1721260	procollagen, type VII, alpha 1	Col7a1	301012	1,46	up
6275785	7340506	1721305	procollagen, type VII, alpha 1	Col7a1	301012	1,27	down
6283956	7340506	1721317	procollagen, type VII, alpha 1	Col7a1	301012	1,43	down
6284418	7340506	1721259	procollagen, type VII, alpha 1	Col7a1	301012	2,10	up
6298777	7340506	1721312	procollagen, type VII, alpha 1	Col7a1	301012	1,70	down
6301162	7340506	1721272	procollagen, type VII, alpha 1	Col7a1	301012	1,17	down
6313985	7340506	1721270	procollagen, type VII, alpha 1	Col7a1	301012	1,03	down
6317946	7340506	1721278	procollagen, type VII, alpha 1	Col7a1	301012	1,16	down
6318580	7340506	1721337	procollagen, type VII, alpha 1	Col7a1	301012	1,19	down
6329601	7340506	1721319	procollagen, type VII, alpha 1	Col7a1	301012	1,34	down
6346123	7340506	1721359	procollagen, type VII, alpha 1	Col7a1	301012	1,39	up
6356041	7340506	1721276	procollagen, type VII, alpha 1	Col7a1	301012	1,28	up
6371023	7340506	1721264	procollagen, type VII, alpha 1	Col7a1	301012	1,58	up
6378803	7340506	1721265	procollagen, type VII, alpha 1	Col7a1	301012	1,70	down
6382342	7340506	1721291	procollagen, type VII, alpha 1	Col7a1	301012	1,03	down
6385329	7340506	1721263	procollagen, type VII, alpha 1	Col7a1	301012	1,05	up
6391232	7340506	1721301	procollagen, type VII, alpha 1	Col7a1	301012	1,17	down
6391891	7340506	1721327	procollagen, type VII, alpha 1	Col7a1	301012	1,03	up
6403951	7340506	1721256	procollagen, type VII, alpha 1	Col7a1	301012	1,12	down
6411702	7340506	1721342	procollagen, type VII, alpha 1	Col7a1	301012	2,08	down
6421568	7340506	1721329	procollagen, type VII, alpha 1	Col7a1	301012	2,64	up
6460397	7340506	1721331	procollagen, type VII, alpha 1	Col7a1	301012	1,68	down
6491706	7340506	1721326	procollagen, type VII, alpha 1	Col7a1	301012	1,01	down
6504649	7340506	1721330	procollagen, type VII, alpha 1	Col7a1	301012	1,03	up
6508366	7340506	1721309	procollagen, type VII, alpha 1	Col7a1	301012	1,92	down
6523273	7340506	1721306	procollagen, type VII, alpha 1	Col7a1	301012	1,25	down
6526650	7340506	1721284	procollagen, type VII, alpha 1	Col7a1	301012	1,07	up
6555540	7340506	1721269	procollagen, type VII, alpha 1	Col7a1	301012	1,38	down
6558919	7340506	1721287	procollagen, type VII, alpha 1	Col7a1	301012	1,21	down
6575814	7340506	1721354	procollagen, type VII, alpha 1	Col7a1	301012	1,00	up
6592369	7340506	1721262	procollagen, type VII, alpha 1	Col7a1	301012	1,11	down
6593055	7340506	1721292	procollagen, type VII, alpha 1	Col7a1	301012	1,14	down
6656230	7340506	1721294	procollagen, type VII, alpha 1	Col7a1	301012	1,03	up
6670943	7340506	1721358	procollagen, type VII, alpha 1	Col7a1	301012	1,06	up
6677460	7340506	1721299	procollagen, type VII, alpha 1	Col7a1	301012	1,45	up
6697422	7340506	1721345	procollagen, type VII, alpha 1	Col7a1	301012	1,12	down
6710078	7340506	1721357	procollagen, type VII, alpha 1	Col7a1	301012	1,12	up
6713298	7340506	1721332	procollagen, type VII, alpha 1	Col7a1	301012	1,48	down
6719254	7340506	1721349	procollagen, type VII, alpha 1	Col7a1	301012	1,12	up
6730021	7340506	1721341	procollagen, type VII, alpha 1	Col7a1	301012	1,30	up
6737117	7340506	1721283	procollagen, type VII, alpha 1	Col7a1	301012	1,02	up
5726899	7067614	1050202	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,30	down
5845762	7067614	1050185	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,02	up
5871619	7067614	1050193	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,08	down
5917176	7067614	1050202	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,63	down
5921026	7067614	1050188	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,18	down
5944986	7067614	1050184	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	2,24	up
5952066	7067614	1050195	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,11	down
6080178	7067614	1050202	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,51	down

6182149	7067614	1050183	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,58	up
6280653	7067614	1050199	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,37	down
6357873	7067614	1050180	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,16	up
6363952	7067614	1050201	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,24	down
6409520	7067614	1050182	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,07	up
6417702	7067614	1050196	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,16	up
6455739	7067614	1050202	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,33	down
6504071	7067614	1050194	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,21	up
6618149	7067614	1050178	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,30	down
6636219	7067614	1050200	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,21	up
6658268	7067614	1050189	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,08	up
6693728	7067614	1050202	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,20	down
6715216	7067614	1050190	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1	P4ha2	360526	1,20	down
5642038	7030518	961675	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,37	down
5758122	7030518	961680	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,08	up
5833206	7030518	961673	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,02	down
5940767	7030518	961686	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,59	up
5951814	7030518	961683	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,01	down
5994353	7030518	961675	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,10	up
6030686	7030518	961676	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,01	down
6121159	7030518	961679	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,01	up
6184892	7030518	961687	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,32	down
6285109	7030518	961685	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,23	up
6404500	7030518	961678	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,15	up
6473720	7030518	961674	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,04	down
6524514	7030518	961673	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,08	down
6599028	7030518	961686	proline dehydrogenase (oxidase) 2	Prodh2	361538	1,12	down
5647570	7268457	1543638	proline-rich transmembrane protein 3	Prrt3	502873	1,11	down
5726443	7268457	1543639	proline-rich transmembrane protein 3	Prrt3	502873	1,54	up
5996571	7268457	1543639	proline-rich transmembrane protein 3	Prrt3	502873	1,18	down
6188451	7268457	1543639	proline-rich transmembrane protein 3	Prrt3	502873	1,10	down
6297889	7268457	1543638	proline-rich transmembrane protein 3	Prrt3	502873	1,10	up
6307501	7268457	1543639	proline-rich transmembrane protein 3	Prrt3	502873	1,09	down
6567539	7268457	1543641	proline-rich transmembrane protein 3	Prrt3	502873	1,03	up
5683734	7244569	1484677	prominin 2	Prom2	192211	1,36	down
5724146	7244569	1484682	prominin 2	Prom2	192211	1,03	down
5762112	7244569	1484671	prominin 2	Prom2	192211	1,21	down
5806836	7244569	1484675	prominin 2	Prom2	192211	1,02	down
5842112	7244569	1484684	prominin 2	Prom2	192211	1,05	up
5854971	7244569	1484683	prominin 2	Prom2	192211	1,01	up
5886539	7244569	1484688	prominin 2	Prom2	192211	1,81	up
5917872	7244569	1484687	prominin 2	Prom2	192211	1,15	down
6005273	7244569	1484691	prominin 2	Prom2	192211	1,02	down
6085656	7244569	1484685	prominin 2	Prom2	192211	2,12	down
6106327	7244569	1484680	prominin 2	Prom2	192211	1,06	up
6215669	7244569	1484686	prominin 2	Prom2	192211	1,26	up
6217609	7244569	1484692	prominin 2	Prom2	192211	1,11	up
6314367	7244569	1484690	prominin 2	Prom2	192211	1,56	up
6398986	7244569	1484676	prominin 2	Prom2	192211	1,08	up
6425591	7244569	1484672	prominin 2	Prom2	192211	1,34	up
6449836	7244569	1484673	prominin 2	Prom2	192211	1,14	down
6458955	7244569	1484678	prominin 2	Prom2	192211	1,82	up
6497044	7244569	1484692	prominin 2	Prom2	192211	1,27	up
6528289	7244569	1484681	prominin 2	Prom2	192211	1,78	down
6581810	7244569	1484674	prominin 2	Prom2	192211	1,13	up
6643682	7244569	1484694	prominin 2	Prom2	192211	1,10	up

6645507	7244569	1484690	prominin 2	Prom2	192211	2,08	down
6684354	7244569	1484693	prominin 2	Prom2	192211	1,08	up
6712012	7244569	1484671	prominin 2	Prom2	192211	1,13	up
6715669	7244569	1484689	prominin 2	Prom2	192211	1,03	up
6733133	7244569	1484679	prominin 2	Prom2	192211	1,55	down
5728169	7032552	967041	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,21	up
5743985	7032552	967038	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,49	up
5775274	7032552	967051	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,47	up
5804211	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,02	up
5819226	7032552	967042	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,07	down
5859517	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,45	up
5880903	7032552	967045	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,70	down
5932412	7032552	967040	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,33	down
5971025	7032552	967044	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,45	down
6018030	7032552	967047	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,67	down
6068111	7032552	967034	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,04	down
6131312	7032552	967049	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,06	up
6168695	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,31	down
6222218	7032552	967048	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,04	up
6256151	7032552	967039	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,19	down
6264946	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,24	down
6299607	7032552	967033	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,01	down
6324240	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,25	down
6339038	7032552	967043	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,09	down
6352262	7032552	967050	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,18	down
6393346	7032552	967046	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,42	down
6439087	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,44	up
6483285	7032552	967039	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,03	down
6528407	7032552	967035	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	3,02	up
6675533	7032552	967037	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,15	down
6726195	7032552	967036	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,20	up
5625789	7335712	1708752	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,12	down
5690843	7335712	1708757	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,17	up
5724574	7335712	1708743	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,05	down
5795343	7335712	1708742	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,64	up
5803271	7335712	1708756	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,13	down
5969423	7335712	1708746	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,10	up
5995322	7335712	1708751	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,14	up
6021475	7335712	1708754	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,15	down
6041209	7335712	1708748	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	2,14	down
6118112	7335712	1708749	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,29	up
6118801	7335712	1708755	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,12	down
6120890	7335712	1708750	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,05	down
6351960	7335712	1708741	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,04	down
6382767	7335712	1708742	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,80	down
6384389	7335712	1708742	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,04	up
6444116	7335712	1708740	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,01	down
6459038	7335712	1708745	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,29	up
6540096	7335712	1708747	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,06	up
6617045	7335712	1708744	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,40	down
6642269	7335712	1708753	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,63	down
5638693	7289582	1595816	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,98	down
5683237	7289582	1595822	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,04	up
5693248	7289582	1595823	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,09	down
5697214	7289582	1595820	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,13	up
5783974	7289582	1595819	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	2,04	up

6014351	7289582	1595824	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,14	up
6061603	7289582	1595817	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,13	up
6238344	7289582	1595816	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,03	up
6264704	7289582	1595823	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,30	down
6361269	7289582	1595821	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,12	up
6475715	7289582	1595826	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,27	up
6490403	7289582	1595814	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,01	down
6556243	7289582	1595815	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,09	down
6567087	7289582	1595826	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,11	down
6657284	7289582	1595825	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,32	up
6670538	7289582	1595826	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,52	down
6700461	7289582	1595818	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,68	down
6059806	7244914	1485327	ProSAPIP1 protein	Prosapip1	280670	2,16	down
6204311	7244914	1485327	ProSAPIP1 protein	Prosapip1	280670	1,14	up
6395971	7244914	1485325	ProSAPIP1 protein	Prosapip1	280670	1,42	up
6470385	7244914	1485326	ProSAPIP1 protein	Prosapip1	280670	2,07	up
6550906	7244914	1485328	ProSAPIP1 protein	Prosapip1	280670	1,47	down
6716840	7244914	1485327	ProSAPIP1 protein	Prosapip1	280670	1,11	down
5654778	7184220	1336122	prostaglandin E receptor 1 (subtype EP1)	Ptger1	25637	1,25	up
5790873	7184220	1336123	prostaglandin E receptor 1 (subtype EP1)	Ptger1	25637	2,56	down
5890698	7184220	1336122	prostaglandin E receptor 1 (subtype EP1)	Ptger1	25637	1,64	down
5928600	7184220	1336123	prostaglandin E receptor 1 (subtype EP1)	Ptger1	25637	1,79	up
6002727	7184220	1336122	prostaglandin E receptor 1 (subtype EP1)	Ptger1	25637	1,47	down
6130496	7184220	1336122	prostaglandin E receptor 1 (subtype EP1)	Ptger1	25637	1,05	down
6273558	7184220	1336121	prostaglandin E receptor 1 (subtype EP1)	Ptger1	25637	1,15	up
5662535	7224724	1433965	prostaglandin F receptor	Ptgfr	25652	1,00	up
5904126	7224724	1433962	prostaglandin F receptor	Ptgfr	25652	1,01	down
6062637	7224724	1433963	prostaglandin F receptor	Ptgfr	25652	1,02	down
6073606	7224724	1433962	prostaglandin F receptor	Ptgfr	25652	1,42	up
6085124	7224724	1433964	prostaglandin F receptor	Ptgfr	25652	1,22	down
6233449	7224724	1433964	prostaglandin F receptor	Ptgfr	25652	1,05	down
6247406	7224724	1433962	prostaglandin F receptor	Ptgfr	25652	1,02	up
6603859	7224724	1433964	prostaglandin F receptor	Ptgfr	25652	1,04	down
6677780	7224724	1433962	prostaglandin F receptor	Ptgfr	25652	2,37	down
5717673	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,89	down
5802012	7212112	1403514	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,38	down
5819337	7212112	1403509	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,22	down
5878566	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,05	up
5906034	7212112	1403511	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,22	up
6023091	7212112	1403510	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,18	up
6134728	7212112	1403508	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	2,30	up
6220127	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,42	down
6265265	7212112	1403513	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	2,32	down
6288798	7212112	1403512	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,14	up
6409541	7212112	1403515	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	2,08	up
6414355	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,31	down
6415591	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,52	up
5684701	7226581	1438845	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	3,12	up
5922714	7226581	1438848	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,43	down
5928468	7226581	1438844	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	2,13	down
5948929	7226581	1438842	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,02	up
5974964	7226581	1438843	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,55	down
6009855	7226581	1438854	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,18	up
6253802	7226581	1438853	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,11	up
6401904	7226581	1438850	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,99	up
6408419	7226581	1438849	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,03	up

6518736	7226581	1438852	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,07	down
6633518	7226581	1438851	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,24	up
6636971	7226581	1438846	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	2,60	up
6707918	7226581	1438846	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,61	down
6743037	7226581	1438847	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,53	up
5740134	7131912	1206132	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,30	down
5779761	7131912	1206142	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,16	up
5875761	7131912	1206140	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,31	up
5886221	7131912	1206134	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,91	up
5947534	7131912	1206141	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,13	down
6226266	7131912	1206132	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	5,23	down
6344178	7131912	1206133	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,46	down
6428981	7131912	1206138	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,00	up
6439520	7131912	1206137	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,23	up
6673210	7131912	1206139	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,10	up
6679861	7131912	1206135	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,01	down
6707428	7131912	1206136	proteasome (prosome, macropain) activator subunit 1	Psme1	29630	1,27	down
5627023	7138231	1221639	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,50	up
5645294	7154573	1262092	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,06	down
5697176	7154573	1262092	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	2,69	up
5721049	7138231	1221638	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	5,75	down
5928708	7154573	1262093	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,67	down
5980344	7138231	1221648	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,00	up
6002854	7138231	1221645	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,26	up
6082963	7138231	1221646	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,18	up
6091893	7138231	1221643	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,16	down
6117033	7138231	1221647	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,33	down
6359541	7138231	1221640	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,19	up
6570491	7138231	1221638	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,70	down
6582658	7138231	1221644	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,01	down
6633681	7138231	1221642	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,05	down
6640942	7138231	1221641	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,22	up
6641900	7138231	1221638	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,72	down
5680063	7298286	1617412	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,10	down
5935144	7298286	1617416	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	2,07	down
6001843	7298286	1617409	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,28	up
6022755	7298286	1617415	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,10	down
6130412	7298286	1617411	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,06	down
6331048	7298286	1617410	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,12	up
6403486	7298286	1617414	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,51	up
6546706	7298286	1617413	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,15	down
6003800	7220914	1425047	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional pepti	Psmb8	24968	1,37	up
6014577	7220914	1425049	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional pepti	Psmb8	24968	1,94	down
6028161	7220914	1425045	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional pepti	Psmb8	24968	1,00	up
6087279	7220914	1425044	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional pepti	Psmb8	24968	2,05	up
6337981	7220914	1425046	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional pepti	Psmb8	24968	1,96	up
6379607	7220914	1425048	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional pepti	Psmb8	24968	1,61	down
6598194	7220914	1425043	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional pepti	Psmb8	24968	3,27	down
5737244	7216935	1415062	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	1,35	up
5768939	7216935	1415063	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	3,08	up
5838426	7216935	1415061	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	1,11	up
5950106	7216935	1415066	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	1,91	down
6306253	7216935	1415060	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	4,63	down
6395139	7216935	1415064	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	2,16	up
6534180	7216935	1415060	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	2,76	down
6686483	7216935	1415065	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional pepti	Psmb9	24967	2,87	up

5628005	7031833	964915	protein arginine methyltransferase 3	Prmt3	89820	1,39	down
5692163	7031833	964910	protein arginine methyltransferase 3	Prmt3	89820	2,03	up
5852780	7031833	964909	protein arginine methyltransferase 3	Prmt3	89820	1,66	up
5884374	7031833	964921	protein arginine methyltransferase 3	Prmt3	89820	1,13	down
6023441	7031833	964919	protein arginine methyltransferase 3	Prmt3	89820	1,12	up
6068031	7031833	964914	protein arginine methyltransferase 3	Prmt3	89820	1,28	up
6212190	7031833	964916	protein arginine methyltransferase 3	Prmt3	89820	1,20	down
6235776	7031833	964908	protein arginine methyltransferase 3	Prmt3	89820	1,30	down
6245481	7031833	964913	protein arginine methyltransferase 3	Prmt3	89820	1,23	down
6256514	7031833	964924	protein arginine methyltransferase 3	Prmt3	89820	1,23	down
6257436	7031833	964922	protein arginine methyltransferase 3	Prmt3	89820	1,82	down
6276384	7031833	964923	protein arginine methyltransferase 3	Prmt3	89820	1,03	up
6294166	7031833	964911	protein arginine methyltransferase 3	Prmt3	89820	1,25	down
6324786	7031833	964918	protein arginine methyltransferase 3	Prmt3	89820	1,01	down
6435640	7031833	964912	protein arginine methyltransferase 3	Prmt3	89820	1,14	down
6530908	7031833	964917	protein arginine methyltransferase 3	Prmt3	89820	1,42	down
6556572	7031833	964920	protein arginine methyltransferase 3	Prmt3	89820	1,13	down
6643235	7031833	964908	protein arginine methyltransferase 3	Prmt3	89820	1,06	up
5635651	7039821	985054	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,03	up
5728795	7039821	985067	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,37	down
5758269	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,21	up
5814100	7039821	985052	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	2,06	down
5823048	7039821	985059	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,06	up
5851321	7039821	985055	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,17	up
5890782	7039821	985066	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,23	down
6014636	7039821	985056	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,23	up
6038478	7039821	985064	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,12	up
6057739	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,09	down
6092737	7039821	985063	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,04	down
6208315	7039821	985071	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,11	up
6217574	7039821	985072	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,01	up
6252716	7039821	985059	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,25	up
6269038	7039821	985057	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,01	down
6381148	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,03	up
6414552	7039821	985061	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,11	up
6417102	7039821	985070	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,22	up
6440141	7039821	985074	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	1,06	up
6545159	7039821	985065	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,04	up
6569281	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,06	down
6683279	7039821	985068	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,43	down
5619288	7231826	1452257	protein disulfide isomerase family A, member 3	Pdia3	29468	1,06	down
5629088	7231826	1452244	protein disulfide isomerase family A, member 3	Pdia3	29468	1,01	up
5825336	7231826	1452253	protein disulfide isomerase family A, member 3	Pdia3	29468	1,02	down
5989734	7231826	1452251	protein disulfide isomerase family A, member 3	Pdia3	29468	1,04	up
5997948	7231826	1452247	protein disulfide isomerase family A, member 3	Pdia3	29468	1,15	down
6015334	7231826	1452254	protein disulfide isomerase family A, member 3	Pdia3	29468	1,12	down
6060615	7231826	1452250	protein disulfide isomerase family A, member 3	Pdia3	29468	1,02	down
6077655	7231826	1452256	protein disulfide isomerase family A, member 3	Pdia3	29468	1,05	up
6208590	7231826	1452246	protein disulfide isomerase family A, member 3	Pdia3	29468	1,04	up
6224715	7231826	1452255	protein disulfide isomerase family A, member 3	Pdia3	29468	2,23	down
6272115	7231826	1452252	protein disulfide isomerase family A, member 3	Pdia3	29468	1,12	up
6504075	7231826	1452244	protein disulfide isomerase family A, member 3	Pdia3	29468	1,04	up
6544050	7231826	1452245	protein disulfide isomerase family A, member 3	Pdia3	29468	1,11	up
6593940	7231826	1452248	protein disulfide isomerase family A, member 3	Pdia3	29468	1,14	down
6615629	7231826	1452249	protein disulfide isomerase family A, member 3	Pdia3	29468	1,25	down

5862080	7206437	1390669	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	Pkia	114906	2,06	up
6060594	7206437	1390670	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	Pkia	114906	1,09	up
6695803	7206437	1390670	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	Pkia	114906	1,01	down
5654942	7247954	1492378	protein kinase C binding protein 1	Prkcbp1	296374	1,09	up
5705074	7247954	1492380	protein kinase C binding protein 1	Prkcbp1	296374	1,15	down
5708050	7247954	1492368	protein kinase C binding protein 1	Prkcbp1	296374	1,09	down
5749468	7247954	1492375	protein kinase C binding protein 1	Prkcbp1	296374	1,08	down
5750401	7247954	1492375	protein kinase C binding protein 1	Prkcbp1	296374	1,21	down
5758463	7247954	1492375	protein kinase C binding protein 1	Prkcbp1	296374	1,15	up
5777733	7247954	1492376	protein kinase C binding protein 1	Prkcbp1	296374	1,12	down
5796088	7247954	1492386	protein kinase C binding protein 1	Prkcbp1	296374	1,26	up
5817854	7247954	1492371	protein kinase C binding protein 1	Prkcbp1	296374	1,07	down
5838941	7247954	1492362	protein kinase C binding protein 1	Prkcbp1	296374	1,28	up
5970483	7247954	1492368	protein kinase C binding protein 1	Prkcbp1	296374	1,08	up
5972656	7247954	1492372	protein kinase C binding protein 1	Prkcbp1	296374	1,19	up
6174755	7247954	1492379	protein kinase C binding protein 1	Prkcbp1	296374	1,04	up
6211220	7247954	1492395	protein kinase C binding protein 1	Prkcbp1	296374	1,05	up
6269385	7247954	1492364	protein kinase C binding protein 1	Prkcbp1	296374	1,23	down
6279605	7247954	1492363	protein kinase C binding protein 1	Prkcbp1	296374	1,28	down
6362445	7247954	1492384	protein kinase C binding protein 1	Prkcbp1	296374	1,47	up
6391636	7247954	1492382	protein kinase C binding protein 1	Prkcbp1	296374	1,12	up
6427246	7247954	1492374	protein kinase C binding protein 1	Prkcbp1	296374	1,52	up
6473577	7247954	1492368	protein kinase C binding protein 1	Prkcbp1	296374	1,77	down
6480593	7247954	1492366	protein kinase C binding protein 1	Prkcbp1	296374	1,13	down
6530376	7247954	1492372	protein kinase C binding protein 1	Prkcbp1	296374	1,27	down
6551773	7247954	1492357	protein kinase C binding protein 1	Prkcbp1	296374	1,09	up
6580683	7247954	1492384	protein kinase C binding protein 1	Prkcbp1	296374	1,10	up
6600834	7247954	1492370	protein kinase C binding protein 1	Prkcbp1	296374	1,24	down
6603360	7247954	1492359	protein kinase C binding protein 1	Prkcbp1	296374	1,03	up
6619710	7247954	1492361	protein kinase C binding protein 1	Prkcbp1	296374	1,11	up
6713048	7247954	1492381	protein kinase C binding protein 1	Prkcbp1	296374	1,38	down
5805466	7148661	1247677	protein kinase C, delta	Prkcd	170538	1,13	up
5878674	7148661	1247669	protein kinase C, delta	Prkcd	170538	1,08	down
5899357	7148661	1247679	protein kinase C, delta	Prkcd	170538	1,17	up
5905631	7148661	1247681	protein kinase C, delta	Prkcd	170538	1,11	down
5988845	7148661	1247683	protein kinase C, delta	Prkcd	170538	1,59	down
5996262	7148661	1247678	protein kinase C, delta	Prkcd	170538	1,23	up
6064478	7148661	1247682	protein kinase C, delta	Prkcd	170538	1,05	down
6081765	7148661	1247666	protein kinase C, delta	Prkcd	170538	2,22	up
6132750	7148661	1247675	protein kinase C, delta	Prkcd	170538	1,19	down
6192260	7148661	1247667	protein kinase C, delta	Prkcd	170538	1,20	down
6200098	7148661	1247673	protein kinase C, delta	Prkcd	170538	1,17	down
6241087	7148661	1247672	protein kinase C, delta	Prkcd	170538	1,12	up
6280818	7148661	1247680	protein kinase C, delta	Prkcd	170538	1,25	up
6482999	7148661	1247674	protein kinase C, delta	Prkcd	170538	1,35	up
6559632	7148661	1247671	protein kinase C, delta	Prkcd	170538	1,07	down
6564496	7148661	1247668	protein kinase C, delta	Prkcd	170538	1,18	down
6604913	7148661	1247670	protein kinase C, delta	Prkcd	170538	2,54	up
6636206	7148661	1247676	protein kinase C, delta	Prkcd	170538	1,28	up
6688884	7148661	1247668	protein kinase C, delta	Prkcd	170538	1,22	up
5699723	7219186	1420912	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,79	up
5826952	7219186	1420916	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,02	down
5898478	7219186	1420915	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,03	down
5953971	7219186	1420917	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,15	down
6146324	7219186	1420913	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	2,38	up
6614929	7219186	1420917	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,14	down

6712267	7219186	1420914	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,24	up
5746863	7098837	1124885	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,62	up
6025113	7098837	1124886	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,03	down
6041588	7098837	1124889	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,02	down
6203234	7098837	1124888	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,04	down
6428678	7098837	1124892	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,03	down
6544397	7098837	1124890	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,05	up
6589740	7098837	1124893	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	2,49	down
6648226	7098837	1124891	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,09	down
6707188	7098837	1124887	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,18	up
5687555	7363772	1778618	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,01	down
5793335	7363772	1778614	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,49	up
5826156	7363772	1778612	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,35	up
5829827	7363772	1778618	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,00	up
5906489	7363772	1778615	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,22	up
6005484	7363772	1778617	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,09	down
6067138	7363772	1778618	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,21	down
6175197	7363772	1778611	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,85	down
6252902	7363772	1778609	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,01	up
6283430	7363772	1778621	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,07	down
6317483	7363772	1778613	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,60	down
6375010	7363772	1778608	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,42	down
6437489	7363772	1778616	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,94	down
6457024	7363772	1778619	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,24	up
6530968	7363772	1778610	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,04	up
6742797	7363772	1778609	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	Prkag3	301518	1,04	up
5618648	7111361	1155584	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,23	up
5660438	7111361	1155580	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,57	down
5677831	7111361	1155616	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,01	up
5684798	7111361	1155581	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,13	up
5694362	7111361	1155580	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,02	up
5710094	7111361	1155595	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,02	up
5733093	7111361	1155583	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,35	down
5764617	7111361	1155610	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	2,13	down
5781289	7111361	1155596	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,47	up
5817782	7111361	1155577	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,39	up
5887023	7111361	1155609	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,12	down
5896604	7111361	1155614	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,30	up
6027839	7111361	1155598	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,00	up
6086414	7111361	1155613	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,30	down
6086669	7111361	1155624	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,05	up
6153362	7111361	1155578	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	2,18	up
6179004	7111361	1155601	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,21	down
6210889	7111361	1155612	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,17	up
6225332	7111361	1155582	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,11	up
6239772	7111361	1155593	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,14	down
6346145	7111361	1155607	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,22	up
6473723	7111361	1155608	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,54	up
6499568	7111361	1155611	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,07	down
6535287	7111361	1155580	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	2,19	down
6578065	7111361	1155584	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,48	up
6630993	7111361	1155605	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,07	up
6667041	7111361	1155604	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,03	down
6724619	7111361	1155595	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	2,02	down
6725796	7111361	1155594	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,03	down
5630730	7039336	983975	protein phosphatase 1, regulatory (inhibitor) subunit 14B	Ppp1r14b	259225	1,13	down

5688911	7039336	983973	protein phosphatase 1, regulatory (inhibitor) subunit 14B	Ppp1r14b	259225	1,02	down
6036747	7039336	983976	protein phosphatase 1, regulatory (inhibitor) subunit 14B	Ppp1r14b	259225	1,19	down
6072154	7039336	983977	protein phosphatase 1, regulatory (inhibitor) subunit 14B	Ppp1r14b	259225	2,48	down
6285399	7039336	983973	protein phosphatase 1, regulatory (inhibitor) subunit 14B	Ppp1r14b	259225	1,17	up
6302660	7039336	983974	protein phosphatase 1, regulatory (inhibitor) subunit 14B	Ppp1r14b	259225	1,09	up
5763028	7051029	1011852	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,69	up
6006338	7051029	1011853	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,26	up
6385013	7051029	1011852	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,09	up
6402875	7051029	1011851	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,33	up
6507731	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	4,58	down
6602610	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	3,17	down
6603886	7051029	1011852	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,29	up
6717968	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,45	down
6729981	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	3,59	down
5678333	7332324	1701242	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,22	up
5778279	7332324	1701240	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,06	up
5884137	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,13	down
6017136	7332324	1701243	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	2,13	up
6038815	7332324	1701241	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,03	down
6060683	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,05	down
6089240	7332324	1701239	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,02	up
6445719	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,28	down
6520030	7332324	1701238	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,08	up
6618507	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,18	down
6642665	7332324	1701243	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,04	up
5692688	7071827	1060606	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,03	down
5818845	7071827	1060601	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,04	down
5873102	7071827	1060602	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,48	down
6140791	7071827	1060604	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,02	up
6161474	7071827	1060600	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	2,49	down
6215469	7071827	1060603	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,43	up
6258664	7071827	1060600	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,09	up
6301436	7071827	1060600	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,03	up
6342610	7071827	1060600	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,28	down
6404712	7071827	1060603	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,05	up
6443173	7071827	1060605	protein phosphatase 1, regulatory (inhibitor) subunit 1B	Ppp1r1b	360616	1,00	up
5628879	7349404	1743388	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,00	up
5695984	7349404	1743390	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,30	down
5763225	7349404	1743382	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,05	down
5767548	7349404	1743385	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,95	up
5776093	7349404	1743386	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,63	up
5846513	7349404	1743384	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,02	up
5922880	7349404	1743378	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,17	up
6144144	7349404	1743381	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,29	down
6361071	7349404	1743387	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,17	down
6406493	7349404	1743382	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	2,17	up
6420735	7349404	1743389	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,29	up
6459164	7349404	1743379	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,13	down
6460400	7349404	1743380	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,76	down
6546148	7349404	1743377	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,46	down
6565072	7349404	1743383	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,01	up
6660710	7349404	1743390	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,01	up
6721421	7349404	1743389	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	Ppp2r3a	363122	1,15	down
5721785	7127022	1194056	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,02	down
5728807	7127022	1194060	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,24	down
5805165	7127022	1194061	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,12	up

5867669	7127022	1194058	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,49	down
5960880	7127022	1194057	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,17	down
6145588	7127022	1194062	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,04	down
6471966	7127022	1194064	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,18	up
6620556	7127022	1194059	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,13	up
6659755	7127022	1194063	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,03	down
5712198	7309604	1646363	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,11	up
5717790	7309604	1646368	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,17	up
5720872	7309604	1646365	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,00	up
5780953	7309604	1646360	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,67	up
5797324	7309604	1646367	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,22	up
5864203	7309604	1646361	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,83	down
5961191	7309604	1646369	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,28	up
6009416	7309604	1646364	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,63	up
6026650	7309604	1646354	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,30	down
6068254	7309604	1646370	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,08	down
6106398	7309604	1646364	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,05	up
6110799	7309604	1646366	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,60	down
6165547	7309604	1646361	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,17	down
6231589	7309604	1646362	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,42	down
6240123	7309604	1646358	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,19	down
6256852	7309604	1646356	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,56	down
6394417	7309604	1646371	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,05	up
6406889	7309604	1646365	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	3,22	down
6408400	7309604	1646352	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,53	up
6502819	7309604	1646359	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,90	down
6574677	7309604	1646357	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,47	up
6660544	7309604	1646353	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,12	up
6669784	7309604	1646355	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	3,48	down
5651955	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,59	down
5700050	7350181	1745385	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,17	down
5773396	7350181	1745390	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,10	up
5792310	7350181	1745388	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,03	up
5803262	7350181	1745397	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,07	up
5985625	7350181	1745380	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,02	up
5990582	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,78	down
5992898	7350181	1745384	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,09	down
6002202	7350181	1745399	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,05	down
6013023	7350181	1745400	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,03	down
6019798	7350181	1745387	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,09	up
6040071	7350181	1745398	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,18	down
6062669	7350181	1745393	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,02	down
6064133	7350181	1745389	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,00	down
6099508	7350181	1745396	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,32	up
6116435	7350181	1745381	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,04	down
6139503	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,43	down
6140897	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,11	down
6175916	7350181	1745391	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,06	up
6195223	7350181	1745383	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,19	up
6205096	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,28	down
6232031	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,06	down
6253824	7350181	1745380	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,03	down
6353582	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,02	down
6461010	7350181	1745384	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	2,43	down
6545983	7350181	1745385	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,07	down
6567855	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,46	down

6602071	7350181	1745394	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,15	up
6624490	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,03	down
6628301	7350181	1745382	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,09	down
6669234	7350181	1745392	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,26	up
6707304	7350181	1745395	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,72	up
5630544	7051330	1012500	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,46	down
5694409	7051330	1012509	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,92	down
5741284	7051330	1012498	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,01	down
5751377	7051330	1012501	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,03	up
5920610	7051330	1012505	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,24	up
5958722	7051330	1012509	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,10	up
5982024	7051330	1012498	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,40	down
6008928	7051330	1012504	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,02	up
6183779	7051330	1012507	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,03	up
6203777	7051330	1012503	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,85	up
6212432	7051330	1012508	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,06	up
6276215	7051330	1012499	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,04	down
6356535	7051330	1012507	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,34	up
6387811	7051330	1012506	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,07	up
6399923	7051330	1012509	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	2,01	down
6549210	7051330	1012502	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,14	down
6553950	7051330	1012507	protein tyrosine phosphatase, non-receptor type 5	Ptpn5	29644	1,11	up
5661163	7037806	980222	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,11	up
5674622	7037806	980214	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,04	down
5842555	7037806	980223	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,02	up
5852889	7037806	980229	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,01	down
5858750	7037806	980216	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,18	up
5944726	7037806	980232	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,26	down
6015912	7037806	980224	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,12	down
6044273	7037806	980231	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,71	up
6044289	7037806	980237	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,00	up
6100758	7037806	980234	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,42	down
6253778	7037806	980238	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,17	down
6305794	7037806	980236	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,31	up
6318616	7037806	980218	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,27	up
6359440	7037806	980230	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,00	up
6503651	7037806	980219	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,09	down
6602381	7037806	980220	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,20	up
6612283	7037806	980233	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,17	up
6626377	7037806	980228	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,05	up
6651124	7037806	980227	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,63	down
6708692	7037806	980237	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,02	down
6740006	7037806	980226	protein tyrosine phosphatase, receptor type, E	Ptpre	114767	1,03	down
5710744	7251655	1501651	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,03	down
5825498	7251655	1501644	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,13	up
5862463	7251655	1501643	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,08	up
5866313	7251655	1501639	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,04	up
5889418	7251655	1501667	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,79	down
5962737	7251655	1501664	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,01	up
5968871	7251655	1501665	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,05	up
6001403	7251655	1501655	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,16	down
6054958	7251655	1501659	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,24	down
6071735	7251655	1501650	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,36	down
6091416	7251655	1501656	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,14	up
6095651	7251655	1501653	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,13	down
6136750	7251655	1501657	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,01	down

6164624	7251655	1501639	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,10	down
6174813	7251655	1501661	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,06	down
6197580	7251655	1501642	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,72	up
6198472	7251655	1501641	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,14	up
6227672	7251655	1501645	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,10	down
6253267	7251655	1501650	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,83	up
6258333	7251655	1501663	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,14	down
6291362	7251655	1501648	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,00	down
6292496	7251655	1501650	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,20	up
6333466	7251655	1501647	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,23	down
6366523	7251655	1501650	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,34	down
6407116	7251655	1501649	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	2,04	down
6435613	7251655	1501651	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,04	down
6486248	7251655	1501658	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,31	down
6537571	7251655	1501666	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,03	down
6543284	7251655	1501669	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,06	up
6557635	7251655	1501654	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,12	down
6576355	7251655	1501650	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,20	down
6629658	7251655	1501668	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,05	down
6641910	7251655	1501646	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,30	down
6670625	7251655	1501660	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,15	down
6683938	7251655	1501652	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,00	up
6693431	7251655	1501639	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,19	down
6697345	7251655	1501662	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,18	up
6715960	7251655	1501640	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	Ptprz1	25613	1,16	up
5962146	7288397	1592978	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,20	up
5985183	7288397	1592980	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,39	down
6020341	7288397	1592984	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	2,01	down
6051500	7288397	1592986	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,08	up
6156928	7288397	1592988	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,04	up
6231631	7288397	1592978	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,48	down
6243788	7288397	1592988	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,07	down
6586379	7288397	1592982	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,08	down
6615887	7288397	1592979	protein tyrosine phosphatase-like A domain containing 2	Ptplad2	362540	1,02	up
5918262	7043913	995240	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,04	up
6053585	7043913	995232	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	2,22	down
6076175	7043913	995232	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,32	down
6140311	7043913	995234	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,24	up
6207274	7043913	995232	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,23	down
6276121	7043913	995235	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,04	down
6348208	7043913	995236	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,27	up
6407975	7043913	995239	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,08	down
6557957	7043913	995235	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,57	down
6602287	7043913	995238	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,05	down
6636217	7043913	995233	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,20	up
6720351	7043913	995237	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,03	down
5662073	7236492	1464576	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,28	up
5679850	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,13	up
5821007	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,30	up
5968126	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,24	down
6184607	7236492	1464578	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,00	down
6288397	7236492	1464578	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,23	up
6339739	7236492	1464580	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	1,08	up
6449330	7236492	1464574	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,42	up
6459925	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,03	down

6651428	7236492	1464580	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmdt2	311726	1,15	up
6734143	7236492	1464573	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmdt2	311726	1,22	down
5693290	7193644	1359708	protocadherin 10	Pcdh10	361943	1,22	up
5815626	7193644	1359708	protocadherin 10	Pcdh10	361943	1,26	down
5917633	7193644	1359720	protocadherin 10	Pcdh10	361943	1,09	up
5647302	7149313	1249307	protocadherin 21	Pcdh21	93662	1,05	down
5687887	7149313	1249314	protocadherin 21	Pcdh21	93662	1,77	up
5763544	7149313	1249317	protocadherin 21	Pcdh21	93662	1,03	down
5769363	7149313	1249319	protocadherin 21	Pcdh21	93662	1,91	down
5787410	7149313	1249318	protocadherin 21	Pcdh21	93662	1,04	down
5880359	7149313	1249305	protocadherin 21	Pcdh21	93662	1,41	up
5898187	7149313	1249319	protocadherin 21	Pcdh21	93662	2,15	down
5921490	7149313	1249310	protocadherin 21	Pcdh21	93662	1,07	down
5974741	7149313	1249302	protocadherin 21	Pcdh21	93662	1,08	up
6029593	7149313	1249313	protocadherin 21	Pcdh21	93662	1,05	down
6052587	7149313	1249309	protocadherin 21	Pcdh21	93662	1,26	up
6090485	7149313	1249304	protocadherin 21	Pcdh21	93662	1,64	up
6116129	7149313	1249316	protocadherin 21	Pcdh21	93662	1,12	up
6120913	7149313	1249306	protocadherin 21	Pcdh21	93662	1,21	up
6134935	7149313	1249315	protocadherin 21	Pcdh21	93662	1,21	up
6360871	7149313	1249308	protocadherin 21	Pcdh21	93662	1,45	up
6389187	7149313	1249311	protocadherin 21	Pcdh21	93662	1,63	down
6518055	7149313	1249319	protocadherin 21	Pcdh21	93662	2,11	down
6556766	7149313	1249303	protocadherin 21	Pcdh21	93662	1,03	down
6564013	7149313	1249312	protocadherin 21	Pcdh21	93662	1,40	down
6740266	7149313	1249303	protocadherin 21	Pcdh21	93662	1,34	up
5833404	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,12	up
6398399	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,46	down
6440252	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,16	down
6451214	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,14	down
6679515	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,05	down
6697844	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,57	down
5673292	7169492	1298273	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,10	up
5797950	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,15	up
6175629	7169492	1298273	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,20	up
6228370	7169492	1298271	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,17	down
6265191	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,23	down
6285755	7169492	1298273	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,77	down
6538619	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,92	down
6601806	7169492	1298270	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,06	down
6658449	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 9 /// Pcdha781 /// 393090 /// 116	Pcdha9	393090	1,19	up
6633938	7169492	1298263	protocadherin alpha 10	Pcdha10	116778	1,13	up
6715194	7169492	1298263	protocadherin alpha 10	Pcdha10	116778	1,32	up
5682149	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,10	up
6172121	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,21	up
6256163	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,00	up
6430407	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,04	down
6075594	7169492	1298265	protocadherin alpha 12	Pcdha12	116779	1,21	up
6219106	7169492	1298265	protocadherin alpha 12	Pcdha12	116779	1,28	up
5654964	7169492	1298266	protocadherin alpha 13	Pcdha13	116742	1,11	down
5665507	7169492	1298266	protocadherin alpha 13	Pcdha13	116742	1,26	down
5693839	7169492	1298266	protocadherin alpha 13	Pcdha13	116742	1,14	up
6067589	7169492	1298253	protocadherin alpha 2	Pcdha2	393086	1,44	down
6507891	7169492	1298253	protocadherin alpha 2	Pcdha2	393086	1,24	down
5931859	7169492	1298254	protocadherin alpha 3	Pcdha3	116780	1,14	down
6166136	7169492	1298254	protocadherin alpha 3	Pcdha3	116780	1,18	down

6476381	7169492	1298254	protocadherin alpha 3	Pcdha3	116780	1,91	down
5747140	7169492	1298255	protocadherin alpha 4	Pcdha4	116741	1,63	up
5762190	7169492	1298255	protocadherin alpha 4	Pcdha4	116741	1,18	down
5776680	7169492	1298255	protocadherin alpha 4	Pcdha4	116741	1,74	up
5815156	7169492	1298255	protocadherin alpha 4	Pcdha4	116741	1,98	up
5700625	7169492	1298256	protocadherin alpha 5	Pcdha5	393087	2,29	up
6164498	7169492	1298257	protocadherin alpha 5	Pcdha5	393087	1,80	up
6348679	7169492	1298257	protocadherin alpha 5	Pcdha5	393087	1,12	up
6399727	7169492	1298257	protocadherin alpha 5	Pcdha5	393087	1,17	down
6718759	7169492	1298256	protocadherin alpha 5	Pcdha5	393087	1,12	up
5772872	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,86	up
5820748	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,10	up
5848367	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,01	up
5919967	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,37	up
6029361	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,18	down
6092420	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,43	up
6462245	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,28	down
6725996	7169492	1298258	protocadherin alpha 6	Pcdha6	393088	1,36	up
6024146	7169492	1298259	protocadherin alpha 7	Pcdha7	393089	1,50	down
6061677	7169492	1298259	protocadherin alpha 7	Pcdha7	393089	1,06	down
6201763	7169492	1298259	protocadherin alpha 7	Pcdha7	393089	1,28	up
6588651	7169492	1298259	protocadherin alpha 7	Pcdha7	393089	1,01	up
6646388	7169492	1298259	protocadherin alpha 7	Pcdha7	393089	1,29	up
6049835	7169492	1298260	protocadherin alpha 8	Pcdha8	116781	1,12	up
6280889	7169492	1298261	protocadherin alpha 8	Pcdha8	116781	1,01	down
6561728	7169492	1298261	protocadherin alpha 8	Pcdha8	116781	1,36	down
5991182	7169492	1298262	protocadherin alpha 9	Pcdha9	393090	1,25	up
6102506	7169492	1298262	protocadherin alpha 9	Pcdha9	393090	1,02	down
6210323	7169492	1298262	protocadherin alpha 9	Pcdha9	393090	1,72	down
6236285	7169492	1298267	protocadherin alpha subfamily C, 1	Pcdhac1	393091	1,33	down
6315484	7169492	1298267	protocadherin alpha subfamily C, 1	Pcdhac1	393091	1,02	down
5758008	7169492	1298269	protocadherin alpha subfamily C, 2	Pcdhac2	393092	1,43	down
5758523	7169492	1298269	protocadherin alpha subfamily C, 2	Pcdhac2	393092	1,23	down
6006123	7169492	1298268	protocadherin alpha subfamily C, 2	Pcdhac2	393092	1,16	down
6080222	7169492	1298269	protocadherin alpha subfamily C, 2	Pcdhac2	393092	1,14	down
6525246	7169573	1298391	protocadherin beta 18	Pcdhb18	548105	1,28	up
6712051	7169573	1298391	protocadherin beta 18	Pcdhb18	548105	1,09	down
6228393	7169599	1298440	protocadherin gamma subfamily A, 1	Pcdhga1	553129	1,02	up
6530199	7169599	1298440	protocadherin gamma subfamily A, 1	Pcdhga1	553129	1,37	down
6540062	7169599	1298440	protocadherin gamma subfamily A, 1	Pcdhga1	553129	1,06	down
6082000	7169599	1298463	protocadherin gamma subfamily A, 1 /// protocadherin gamma subfamily A, 10 /// rga3 /// Pcdhga5 /// B47 /// 291637 /// 291	Pcdhga5	291637	1,61	down
6195972	7169599	1298464	protocadherin gamma subfamily A, 1 /// protocadherin gamma subfamily A, 10 /// rga3 /// Pcdhga5 /// B47 /// 291637 /// 291	Pcdhga5	291637	1,41	down
6272682	7169599	1298465	protocadherin gamma subfamily A, 1 /// protocadherin gamma subfamily A, 10 /// rga3 /// Pcdhga5 /// B47 /// 291637 /// 291	Pcdhga5	291637	1,75	down
6391635	7169599	1298463	protocadherin gamma subfamily A, 1 /// protocadherin gamma subfamily A, 10 /// rga3 /// Pcdhga5 /// B47 /// 291637 /// 291	Pcdhga5	291637	1,02	down
6119457	7169599	1298454	protocadherin gamma subfamily A, 10	Pcdhga10	498849	1,34	up
6340336	7169599	1298454	protocadherin gamma subfamily A, 10	Pcdhga10	498849	1,03	down
6683569	7169599	1298454	protocadherin gamma subfamily A, 10	Pcdhga10	498849	1,17	down
5710827	7169599	1298456	protocadherin gamma subfamily A, 11	Pcdhga11	252897	1,06	down
5970141	7169599	1298457	protocadherin gamma subfamily A, 11	Pcdhga11	252897	1,01	up
5797431	7169599	1298461	protocadherin gamma subfamily A, 12	Pcdhga12	498850	1,09	up
6127122	7169599	1298461	protocadherin gamma subfamily A, 12	Pcdhga12	498850	1,30	up
6265756	7169599	1298460	protocadherin gamma subfamily A, 12	Pcdhga12	498850	1,21	up
5907387	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,92	up
5966018	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,20	up
6306683	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,03	up
6516555	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,09	down

6718602	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,25	up
5868919	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,19	down
5942024	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,74	up
6572348	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,12	down
6735136	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,07	up
6346073	7169599	1298445	protocadherin gamma subfamily A, 5	Pcdhga5	291637	1,03	up
6349093	7169599	1298445	protocadherin gamma subfamily A, 5	Pcdhga5	291637	1,14	down
6006894	7169599	1298448	protocadherin gamma subfamily A, 7	Pcdhga7	291635	1,58	down
6035182	7169599	1298447	protocadherin gamma subfamily A, 7	Pcdhga7	291635	1,09	down
6628982	7169599	1298448	protocadherin gamma subfamily A, 7	Pcdhga7	291635	1,07	up
6614314	7169599	1298450	protocadherin gamma subfamily A, 8	Pcdhga8	364843	1,23	down
5698140	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,09	up
5831038	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,12	down
6171922	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,08	up
6193999	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,15	down
6314445	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	6,59	down
6491386	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,20	down
6541847	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,26	down
6024109	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,37	up
6324815	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,11	up
6362355	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,09	up
6478600	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,29	up
5660972	7169599	1298458	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,50	up
5878478	7169599	1298459	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,25	up
6223229	7169599	1298458	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,36	up
6384280	7169599	1298459	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,12	down
6574233	7169599	1298462	protocadherin gamma subfamily C, 3	Pcdhgc3	116782	1,30	down
5633111	7047524	1004658	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,22	down
5710548	7047524	1004662	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,23	up
5806986	7047524	1004657	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,27	up
5841908	7047524	1004660	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,24	up
6020680	7047524	1004664	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,17	down
6175785	7047524	1004663	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,22	up
6186156	7047524	1004653	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,09	down
6224391	7047524	1004654	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,24	down
6340553	7047524	1004654	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,45	up
6414855	7047524	1004661	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,39	down
6461196	7047524	1004655	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,05	up
6473248	7047524	1004656	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,61	up
6584266	7047524	1004654	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	2,96	up
6589047	7047524	1004656	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,10	up
6611695	7047524	1004659	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,30	up
6697098	7047524	1004655	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,10	down
6706712	7047524	1004666	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,97	down
5676740	7298692	1618404	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,07	down
5695300	7298692	1618413	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	2,61	down
5717379	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,06	down
5723566	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,01	down
5723939	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,16	down
5789577	7298692	1618409	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,12	up
5827025	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,19	up
5861110	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,19	up
5930292	7298692	1618413	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,29	up
5948325	7298692	1618410	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,06	down
5963326	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,29	down
5979467	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,28	up

6184157	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,22	up
6252896	7298692	1618402	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,08	up
6260256	7298692	1618408	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,25	up
6262779	7298692	1618412	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,38	down
6323318	7298692	1618402	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,26	down
6328285	7298692	1618409	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,20	up
6348391	7298692	1618401	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,25	up
6350864	7298692	1618409	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,21	down
6355360	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,42	up
6417194	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,23	down
6666722	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,19	up
6699583	7298692	1618407	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,01	up
6733266	7298692	1618411	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,17	down
6733924	7298692	1618413	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,34	down
5767746	7099273	1125961	pseudouridylate synthase 1	Pus1	304567	1,21	down
5829759	7099273	1125960	pseudouridylate synthase 1	Pus1	304567	1,62	up
5897516	7099273	1125956	pseudouridylate synthase 1	Pus1	304567	1,06	down
5937510	7099273	1125957	pseudouridylate synthase 1	Pus1	304567	1,65	up
6042431	7099273	1125959	pseudouridylate synthase 1	Pus1	304567	1,45	down
6697741	7099273	1125955	pseudouridylate synthase 1	Pus1	304567	2,36	down
5669241	7127975	1196255	purine rich element binding protein B	Purb	498407	1,09	down
5701100	7127975	1196254	purine rich element binding protein B	Purb	498407	1,18	down
5771862	7127975	1196254	purine rich element binding protein B	Purb	498407	1,20	down
5807142	7127975	1196253	purine rich element binding protein B	Purb	498407	1,07	down
5873371	7127975	1196253	purine rich element binding protein B	Purb	498407	1,06	up
5923405	7127975	1196254	purine rich element binding protein B	Purb	498407	1,08	down
5962455	7127975	1196253	purine rich element binding protein B	Purb	498407	1,13	down
6067747	7127975	1196254	purine rich element binding protein B	Purb	498407	1,20	down
6133585	7127975	1196254	purine rich element binding protein B	Purb	498407	1,04	up
6133776	7127975	1196254	purine rich element binding protein B	Purb	498407	1,12	up
6463601	7127975	1196254	purine rich element binding protein B	Purb	498407	1,04	up
6600305	7127975	1196254	purine rich element binding protein B	Purb	498407	2,45	down
5652487	7095396	1115929	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,45	down
5675108	7095396	1115924	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	2,27	down
5692283	7095396	1115919	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,25	up
5729991	7095396	1115921	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,63	down
5803187	7095396	1115930	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,86	down
5826256	7095396	1115926	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,31	up
5975827	7095396	1115918	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,05	down
6189460	7095396	1115928	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,05	up
6210219	7095396	1115918	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,02	up
6293769	7095396	1115925	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,21	down
6362715	7095396	1115923	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,12	up
6459437	7095396	1115922	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,09	up
6486497	7095396	1115918	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,35	down
6557121	7095396	1115920	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,39	down
6695797	7095396	1115927	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,73	up
6736083	7095396	1115930	purinergic receptor P2X, ligand-gated ion channel, 6	P2rx6	25041	1,16	up
5925249	7113984	1162222	Purkinje cell protein 4-like 1	Pcp4l1	685448	1,26	up
6356182	7113984	1162223	Purkinje cell protein 4-like 1	Pcp4l1	685448	1,03	down
6731371	7113984	1162222	Purkinje cell protein 4-like 1	Pcp4l1	685448	2,82	down
5641722	7249917	1497401	putative homeodomain transcription factor 2	Phtf2	296762	1,07	down
5645741	7249917	1497399	putative homeodomain transcription factor 2	Phtf2	296762	1,22	down
5848003	7249917	1497380	putative homeodomain transcription factor 2	Phtf2	296762	1,53	down
5924528	7249917	1497404	putative homeodomain transcription factor 2	Phtf2	296762	1,04	up
6161677	7249917	1497396	putative homeodomain transcription factor 2	Phtf2	296762	1,08	down

6166213	7249917	1497398	putative homeodomain transcription factor 2	Phtf2	296762	1,33	up
6183048	7249917	1497405	putative homeodomain transcription factor 2	Phtf2	296762	1,01	down
6198403	7249917	1497378	putative homeodomain transcription factor 2	Phtf2	296762	1,40	up
6229424	7249917	1497388	putative homeodomain transcription factor 2	Phtf2	296762	1,29	down
6295507	7249917	1497387	putative homeodomain transcription factor 2	Phtf2	296762	1,04	down
6343194	7249917	1497388	putative homeodomain transcription factor 2	Phtf2	296762	1,49	up
6373262	7249917	1497393	putative homeodomain transcription factor 2	Phtf2	296762	1,40	down
6396360	7249917	1497384	putative homeodomain transcription factor 2	Phtf2	296762	2,35	up
6420039	7249917	1497388	putative homeodomain transcription factor 2	Phtf2	296762	1,11	up
6442798	7249917	1497386	putative homeodomain transcription factor 2	Phtf2	296762	1,09	down
6458471	7249917	1497393	putative homeodomain transcription factor 2	Phtf2	296762	1,01	down
6515684	7249917	1497402	putative homeodomain transcription factor 2	Phtf2	296762	1,17	down
6560374	7249917	1497389	putative homeodomain transcription factor 2	Phtf2	296762	1,26	down
6646510	7249917	1497390	putative homeodomain transcription factor 2	Phtf2	296762	1,21	up
6679655	7249917	1497400	putative homeodomain transcription factor 2	Phtf2	296762	1,34	down
6687621	7249917	1497405	putative homeodomain transcription factor 2	Phtf2	296762	1,05	up
6707389	7249917	1497403	putative homeodomain transcription factor 2	Phtf2	296762	1,03	down
6723614	7249917	1497405	putative homeodomain transcription factor 2	Phtf2	296762	1,52	down
5668346	7337260	1712782	putative neuronal cell adhesion molecule	Punc	315759	1,01	down
5714531	7381993	1825223	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,46	down
5903965	7381993	1825226	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,01	up
6099050	7381993	1825220	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,37	down
6166014	7381993	1825216	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,33	down
6193895	7381993	1825229	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,04	down
6195945	7381993	1825221	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,25	up
6344222	7381993	1825233	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,26	up
6381716	7381993	1825227	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,30	down
6537727	7381993	1825219	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,11	down
6568878	7381993	1825225	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,54	down
6618898	7381993	1825233	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,22	down
6677084	7381993	1825222	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,36	down
6693717	7381993	1825228	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,42	up
5724428	7181086	1327923	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,13	up
5868478	7181086	1327917	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,23	up
5874995	7181086	1327918	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,04	up
5878411	7181086	1327914	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,10	up
5939700	7181086	1327907	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	2,05	down
5943235	7181086	1327921	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,21	down
5970640	7181086	1327919	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,12	up
6028714	7181086	1327917	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,18	down
6128780	7181086	1327925	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,19	up
6158298	7181086	1327922	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,25	up
6202353	7181086	1327920	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,26	down
6207547	7181086	1327912	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,22	down
6262176	7181086	1327927	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,07	up
6281850	7181086	1327915	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,21	up
6321505	7181086	1327911	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,16	down
6521920	7181086	1327909	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,11	up
6573509	7181086	1327907	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,17	down
6646625	7181086	1327926	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,07	down
6736847	7181086	1327913	pyruvate dehydrogenase phosphatase regulatory subunit	Pdpr	307852	1,23	down
5700873	7147275	1243987	pyruvate kinase, muscle	Pkm2	25630	1,11	down
5819675	7147275	1243985	pyruvate kinase, muscle	Pkm2	25630	2,17	down
6558213	7147275	1243986	pyruvate kinase, muscle	Pkm2	25630	1,05	up
6641752	7147275	1243985	pyruvate kinase, muscle	Pkm2	25630	1,06	up
5636905	7333533	1703803	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,27	up

5751081	7333533	1703804	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,14	up
5758686	7333533	1703800	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,17	down
5766628	7333533	1703802	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,04	down
5777121	7333533	1703801	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,99	up
5846165	7333533	1703805	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,15	up
6019769	7333533	1703806	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,21	up
6034219	7333533	1703805	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	3,73	down
6035844	7333533	1703798	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,54	down
6054763	7333533	1703796	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,51	down
6312215	7333533	1703799	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,34	up
6375017	7333533	1703797	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,11	down
6525558	7333533	1703799	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,19	up
6594863	7333533	1703796	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,40	down
6628436	7333533	1703798	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	2,11	up
5662205	7236962	1465623	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,28	down
5686769	7236962	1465620	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,02	down
5694861	7236962	1465617	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	2,76	down
5789058	7236962	1465618	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,05	down
5896860	7236962	1465633	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,11	up
5937771	7236962	1465619	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,17	down
5983936	7236962	1465621	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,05	down
5997795	7236962	1465622	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,15	down
6010710	7236962	1465625	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,01	down
6056554	7236962	1465629	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,08	up
6123187	7236962	1465627	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,34	up
6361831	7236962	1465626	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,03	up
6456431	7236962	1465618	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,08	up
6526523	7236962	1465618	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,06	down
6714308	7236962	1465628	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,18	down
6739973	7236962	1465618	quiescin Q6 sulfhydryl oxidase 2	Qsox2	681023	1,09	down
5694664	7138281	1221775	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,23	up
5703584	7138281	1221769	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,18	down
5716544	7138281	1221785	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,38	up
5785411	7138281	1221781	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,16	up
5875604	7138281	1221778	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,09	down
5937160	7138281	1221779	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,05	down
5941831	7138281	1221771	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,36	down
6035551	7138281	1221774	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,15	down
6068157	7138281	1221780	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,21	up
6078760	7138281	1221773	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,18	down
6119059	7138281	1221772	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,14	down
6166302	7138281	1221770	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,21	down
6243182	7138281	1221777	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	2,23	down
6361601	7138281	1221773	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,01	down
6374192	7138281	1221783	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,66	up
6392325	7138281	1221776	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,14	down
6412464	7138281	1221771	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,14	down
6575834	7138281	1221784	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,02	up
6653278	7138281	1221782	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,15	up
6700177	7138281	1221768	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,14	up
6731799	7138281	1221779	Rab geranylgeranyltransferase, alpha subunit	Rabggt1	58983	1,06	up
6105486	7097380	1120626	RAB, member RAS oncogene family-like 5	Rab15	288585	1,03	down
6304541	7097380	1120625	RAB, member RAS oncogene family-like 5	Rab15	288585	1,17	down
6465539	7097380	1120624	RAB, member RAS oncogene family-like 5	Rab15	288585	1,56	down
6651148	7097380	1120627	RAB, member RAS oncogene family-like 5	Rab15	288585	1,29	up
6679529	7097380	1120628	RAB, member RAS oncogene family-like 5	Rab15	288585	1,10	up

6711835	7097380	1120627	RAB, member RAS oncogene family-like 5	Rab15	288585	1,04	down
6727663	7097380	1120624	RAB, member RAS oncogene family-like 5	Rab15	288585	2,18	up
5970956	7196380	1366519	RAB13, member RAS oncogene family	Rab13	81756	1,56	down
6001352	7196380	1366518	RAB13, member RAS oncogene family	Rab13	81756	2,52	down
6222837	7196380	1366515	RAB13, member RAS oncogene family	Rab13	81756	1,02	down
6273741	7196380	1366513	RAB13, member RAS oncogene family	Rab13	81756	1,11	up
6373231	7196380	1366516	RAB13, member RAS oncogene family	Rab13	81756	1,08	down
6377374	7196380	1366512	RAB13, member RAS oncogene family	Rab13	81756	1,48	up
6524378	7196380	1366514	RAB13, member RAS oncogene family	Rab13	81756	1,67	up
6544566	7196380	1366517	RAB13, member RAS oncogene family	Rab13	81756	1,33	up
5745722	7075338	1069034	RAB26, member RAS oncogene family	Rab26	171111	1,35	up
5800208	7075338	1069033	RAB26, member RAS oncogene family	Rab26	171111	1,29	up
5842508	7075338	1069035	RAB26, member RAS oncogene family	Rab26	171111	1,45	down
5925819	7075338	1069042	RAB26, member RAS oncogene family	Rab26	171111	2,38	down
6031264	7075338	1069042	RAB26, member RAS oncogene family	Rab26	171111	1,19	up
6172017	7075338	1069036	RAB26, member RAS oncogene family	Rab26	171111	1,35	up
6341000	7075338	1069038	RAB26, member RAS oncogene family	Rab26	171111	1,43	down
6406463	7075338	1069037	RAB26, member RAS oncogene family	Rab26	171111	1,08	down
6408689	7075338	1069040	RAB26, member RAS oncogene family	Rab26	171111	1,39	down
6414493	7075338	1069039	RAB26, member RAS oncogene family	Rab26	171111	1,09	up
6594671	7075338	1069041	RAB26, member RAS oncogene family	Rab26	171111	1,08	up
5669712	7098535	1123955	rabphilin 3A	Rph3a	171039	1,15	down
5690862	7098535	1123954	rabphilin 3A	Rph3a	171039	1,53	up
5841137	7098535	1123961	rabphilin 3A	Rph3a	171039	1,10	up
5913503	7098535	1123968	rabphilin 3A	Rph3a	171039	1,09	down
6042218	7098535	1123962	rabphilin 3A	Rph3a	171039	1,02	down
6163583	7098535	1123953	rabphilin 3A	Rph3a	171039	1,06	up
6228141	7098535	1123956	rabphilin 3A	Rph3a	171039	1,13	up
6235055	7098535	1123966	rabphilin 3A	Rph3a	171039	1,03	down
6277109	7098535	1123952	rabphilin 3A	Rph3a	171039	1,07	up
6310034	7098535	1123955	rabphilin 3A	Rph3a	171039	2,11	down
6395188	7098535	1123959	rabphilin 3A	Rph3a	171039	1,10	down
6479823	7098535	1123967	rabphilin 3A	Rph3a	171039	1,35	up
6481724	7098535	1123951	rabphilin 3A	Rph3a	171039	1,11	up
6510283	7098535	1123969	rabphilin 3A	Rph3a	171039	1,23	down
6526409	7098535	1123950	rabphilin 3A	Rph3a	171039	1,39	down
6531652	7098535	1123957	rabphilin 3A	Rph3a	171039	1,03	down
6572645	7098535	1123957	rabphilin 3A	Rph3a	171039	1,17	down
6613679	7098535	1123964	rabphilin 3A	Rph3a	171039	1,06	up
6657078	7098535	1123960	rabphilin 3A	Rph3a	171039	1,03	up
6694179	7098535	1123963	rabphilin 3A	Rph3a	171039	1,03	up
6703418	7098535	1123958	rabphilin 3A	Rph3a	171039	1,75	down
6718767	7098535	1123965	rabphilin 3A	Rph3a	171039	1,00	up
5702067	7331732	1699985	Rac GTPase-activating protein 1	Racgap1	315298	2,07	down
5707573	7331732	1699973	Rac GTPase-activating protein 1	Racgap1	315298	1,21	up
5834806	7331732	1699982	Rac GTPase-activating protein 1	Racgap1	315298	1,14	up
5854292	7331732	1699987	Rac GTPase-activating protein 1	Racgap1	315298	1,37	up
5930322	7331732	1699978	Rac GTPase-activating protein 1	Racgap1	315298	1,08	up
5941969	7331732	1699979	Rac GTPase-activating protein 1	Racgap1	315298	2,88	down
5988844	7331732	1699973	Rac GTPase-activating protein 1	Racgap1	315298	1,08	up
6011673	7331732	1699976	Rac GTPase-activating protein 1	Racgap1	315298	1,23	down
6042157	7331732	1699983	Rac GTPase-activating protein 1	Racgap1	315298	1,20	down
6054374	7331732	1699982	Rac GTPase-activating protein 1	Racgap1	315298	1,63	down
6071598	7331732	1699977	Rac GTPase-activating protein 1	Racgap1	315298	1,04	up
6141059	7331732	1699988	Rac GTPase-activating protein 1	Racgap1	315298	1,05	up
6316810	7331732	1699980	Rac GTPase-activating protein 1	Racgap1	315298	1,24	down

6389584	7331732	1699984	Rac GTPase-activating protein 1	Racgap1	315298	1,35	up
6418371	7331732	1699986	Rac GTPase-activating protein 1	Racgap1	315298	1,38	down
6481425	7331732	1699975	Rac GTPase-activating protein 1	Racgap1	315298	1,12	down
6490990	7331732	1699973	Rac GTPase-activating protein 1	Racgap1	315298	1,29	up
6581877	7331732	1699974	Rac GTPase-activating protein 1	Racgap1	315298	1,36	up
6596845	7331732	1699990	Rac GTPase-activating protein 1	Racgap1	315298	1,33	up
6640670	7331732	1699981	Rac GTPase-activating protein 1	Racgap1	315298	1,36	down
5654498	7268375	1543453	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,06	up
5656361	7268375	1543456	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,14	up
5673555	7268375	1543451	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,15	up
5720322	7268375	1543438	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,66	down
5777901	7268375	1543452	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,10	down
5896561	7268375	1543448	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,23	down
5960898	7268375	1543451	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,20	down
6075907	7268375	1543444	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,23	down
6091083	7268375	1543442	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,43	up
6100988	7268375	1543450	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,10	up
6154165	7268375	1543454	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,12	up
6176803	7268375	1543436	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,25	up
6271924	7268375	1543451	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,22	down
6399659	7268375	1543457	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,20	down
6565916	7268375	1543449	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,14	down
6596240	7268375	1543447	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,16	up
6687561	7268375	1543436	RAD18 homolog (S. cerevisiae)	Rad18	362412	1,44	down
5654600	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	2,77	down
6119722	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,18	up
6142093	7305174	1635457	radical S-adenosyl methionine domain containing 2	Rsad2	65190	4,44	down
6253424	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,78	down
6265562	7305174	1635452	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,16	down
6306839	7305174	1635454	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,50	up
6318232	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,51	up
6358603	7305174	1635453	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,65	down
6460507	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,47	up
6560848	7305174	1635456	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,21	up
6611263	7305174	1635455	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,13	up
5703023	7221019	1425318	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,07	up
5796897	7221019	1425326	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,33	up
5874182	7221019	1425326	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,20	up
5959183	7221019	1425314	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,10	up
5981046	7221019	1425325	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,06	down
6007148	7221019	1425309	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,28	down
6019039	7221019	1425312	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,42	down
6051693	7221019	1425320	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,18	up
6059718	7221019	1425312	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,00	up
6166579	7221019	1425313	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,22	up
6179929	7221019	1425317	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,67	up
6196980	7221019	1425322	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,44	up
6296369	7221019	1425324	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,37	down
6384729	7221019	1425319	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,24	down
6441081	7221019	1425323	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,42	down
6509648	7221019	1425321	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,07	up
6545652	7221019	1425311	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,15	up
6576029	7221019	1425316	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,52	up
6716761	7221019	1425310	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,67	down
6719006	7221019	1425315	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,03	up
5655397	7331416	1699164	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,01	up

5706514	7331416	1699169	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,12	down
5740888	7331416	1699169	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,02	down
5769806	7331416	1699168	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,86	down
5793013	7331416	1699165	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,08	down
5826332	7331416	1699150	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,14	up
5910345	7331416	1699159	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,40	down
5918268	7331416	1699161	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,31	down
5921545	7331416	1699143	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,16	down
5923242	7331416	1699154	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,60	down
5992200	7331416	1699156	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,56	up
6025288	7331416	1699160	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,91	up
6045229	7331416	1699158	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	2,13	up
6144041	7331416	1699155	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,40	up
6161171	7331416	1699151	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,37	down
6169025	7331416	1699149	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,19	down
6270271	7331416	1699162	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,23	up
6277508	7331416	1699166	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,27	down
6285762	7331416	1699144	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,02	up
6292977	7331416	1699146	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,27	down
6385069	7331416	1699148	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,04	down
6398464	7331416	1699163	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,01	up
6470284	7331416	1699153	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,96	up
6474285	7331416	1699157	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,18	down
6541283	7331416	1699160	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,02	down
6546988	7331416	1699167	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,33	down
6552796	7331416	1699169	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,24	down
6554480	7331416	1699145	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,22	down
6705829	7331416	1699147	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,77	up
6714548	7331416	1699152	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,43	up
5654313	7067670	1050367	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,39	down
5709972	7067670	1050352	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,34	down
5739533	7067670	1050348	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,25	down
5762597	7067670	1050337	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,06	down
5813100	7067670	1050371	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,12	up
5849460	7067670	1050341	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,30	down
5853874	7067670	1050372	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,38	down
5954192	7067670	1050326	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,20	down
6000044	7067670	1050329	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,67	down
6035905	7067670	1050327	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,17	down
6050518	7067670	1050342	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,10	down
6061193	7067670	1050354	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,34	down
6070907	7067670	1050358	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,05	down
6099656	7067670	1050347	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,47	down
6121556	7067670	1050350	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,20	down
6155608	7067670	1050356	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,26	down
6190213	7067670	1050339	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,06	down
6238793	7067670	1050359	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,37	down
6255902	7067670	1050353	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,43	down
6365768	7067670	1050360	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,30	down
6375865	7067670	1050338	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,28	down
6474781	7067670	1050336	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,14	down
6506956	7067670	1050331	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,98	down
6535368	7067670	1050350	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,33	down
6549191	7067670	1050369	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,40	down
6575854	7067670	1050340	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,44	down
6586349	7067670	1050353	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,37	down

6616117	7067670	1050335	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,09	down
6688975	7067670	1050370	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,32	down
6705661	7067670	1050348	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,05	down
6710322	7067670	1050328	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,08	down
6738397	7067670	1050372	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,07	up
6743830	7067670	1050332	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,21	down
5668827	7337522	1713633	RAR-related orphan receptor alpha	Rora	300807	1,33	up
5716188	7337522	1713640	RAR-related orphan receptor alpha	Rora	300807	1,01	up
5746130	7337522	1713632	RAR-related orphan receptor alpha	Rora	300807	1,15	up
5789380	7337522	1713638	RAR-related orphan receptor alpha	Rora	300807	1,32	up
5806656	7337522	1713636	RAR-related orphan receptor alpha	Rora	300807	1,32	up
5918130	7337522	1713641	RAR-related orphan receptor alpha	Rora	300807	1,40	up
6048578	7337522	1713637	RAR-related orphan receptor alpha	Rora	300807	1,24	up
6053612	7337522	1713641	RAR-related orphan receptor alpha	Rora	300807	1,15	up
6165070	7337522	1713632	RAR-related orphan receptor alpha	Rora	300807	1,21	up
6243402	7337522	1713590	RAR-related orphan receptor alpha	Rora	300807	1,12	down
6295135	7337522	1713590	RAR-related orphan receptor alpha	Rora	300807	1,26	down
6358143	7337522	1713642	RAR-related orphan receptor alpha	Rora	300807	1,19	up
6447604	7337522	1713629	RAR-related orphan receptor alpha	Rora	300807	1,12	down
6590492	7337522	1713615	RAR-related orphan receptor alpha	Rora	300807	1,39	down
5628933	7131742	1205798	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,13	down
5648472	7131742	1205799	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,17	up
5719349	7131742	1205799	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,10	down
6061036	7131742	1205801	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,08	down
6249494	7131742	1205802	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,13	up
6363104	7131742	1205802	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	2,43	up
6550033	7131742	1205800	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,00	up
5632800	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,44	down
5726896	7233970	1458274	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,13	down
5862972	7233970	1458275	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,10	down
5886564	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	3,04	down
5917193	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,63	down
5999231	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,00	up
6192666	7233970	1458269	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,00	down
6349582	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,04	up
6620087	7233970	1458272	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,00	up
6683517	7233970	1458275	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,12	down
5798235	7233425	1456803	Ras and Rab interactor 2	Rin2	311494	1,14	up
5864893	7233425	1456776	Ras and Rab interactor 2	Rin2	311494	1,28	up
6034277	7233425	1456785	Ras and Rab interactor 2	Rin2	311494	1,05	down
6035261	7233425	1456803	Ras and Rab interactor 2	Rin2	311494	1,03	up
6092243	7233425	1456761	Ras and Rab interactor 2	Rin2	311494	1,71	up
6117904	7233425	1456781	Ras and Rab interactor 2	Rin2	311494	1,19	up
6166842	7233425	1456798	Ras and Rab interactor 2	Rin2	311494	1,04	down
6237996	7233425	1456792	Ras and Rab interactor 2	Rin2	311494	1,01	up
6261776	7233425	1456789	Ras and Rab interactor 2	Rin2	311494	1,19	down
6282000	7233425	1456801	Ras and Rab interactor 2	Rin2	311494	1,40	down
6385925	7233425	1456800	Ras and Rab interactor 2	Rin2	311494	1,07	down
6394816	7233425	1456792	Ras and Rab interactor 2	Rin2	311494	1,06	up
6446087	7233425	1456786	Ras and Rab interactor 2	Rin2	311494	1,37	up
6469268	7233425	1456792	Ras and Rab interactor 2	Rin2	311494	1,05	down
5659429	7268736	1544319	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,01	down
5702858	7268736	1544317	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,36	up
5711563	7268736	1544326	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,15	down
5725678	7268736	1544324	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,24	up
5749706	7268736	1544321	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,25	up

5979340	7268736	1544316	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,69	up
6084485	7268736	1544323	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,01	down
6131234	7268736	1544320	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,08	up
6530574	7268736	1544327	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	2,00	down
6566916	7268736	1544318	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,00	up
6581563	7268736	1544322	Ras association (RalGDS/AF-6) domain family member 4	Rassf4	362423	1,15	down
5799727	7059563	1030493	ras homolog gene family, member D	Rhod	293660	1,16	up
5831529	7059563	1030494	ras homolog gene family, member D	Rhod	293660	2,18	up
6330978	7059563	1030493	ras homolog gene family, member D	Rhod	293660	1,42	up
6453159	7059563	1030497	ras homolog gene family, member D	Rhod	293660	1,32	down
6511542	7059563	1030492	ras homolog gene family, member D	Rhod	293660	1,31	down
6577947	7059563	1030496	ras homolog gene family, member D	Rhod	293660	1,25	up
6590661	7059563	1030495	ras homolog gene family, member D	Rhod	293660	2,13	up
5687446	7178979	1322366	RASD family, member 2	Rasd2	171099	1,15	down
5730374	7178979	1322367	RASD family, member 2	Rasd2	171099	1,98	up
5783219	7178979	1322366	RASD family, member 2	Rasd2	171099	1,08	up
5887402	7178979	1322369	RASD family, member 2	Rasd2	171099	1,58	down
5979301	7178979	1322366	RASD family, member 2	Rasd2	171099	2,53	up
6215296	7178979	1322365	RASD family, member 2	Rasd2	171099	1,35	down
6246887	7178979	1322364	RASD family, member 2	Rasd2	171099	1,90	down
6518983	7178979	1322369	RASD family, member 2	Rasd2	171099	1,14	down
6586578	7178979	1322368	RASD family, member 2	Rasd2	171099	1,26	up
6596264	7178979	1322369	RASD family, member 2	Rasd2	171099	2,18	up
5779699	7067212	1049215	RasGEF domain family, member 1C	Rasgef1c	360519	1,60	down
5875160	7067212	1049226	RasGEF domain family, member 1C	Rasgef1c	360519	1,38	up
5934545	7067212	1049217	RasGEF domain family, member 1C	Rasgef1c	360519	1,74	down
6122569	7067212	1049199	RasGEF domain family, member 1C	Rasgef1c	360519	1,25	up
6164694	7067212	1049218	RasGEF domain family, member 1C	Rasgef1c	360519	2,35	down
6220293	7067212	1049225	RasGEF domain family, member 1C	Rasgef1c	360519	1,27	up
6303687	7067212	1049223	RasGEF domain family, member 1C	Rasgef1c	360519	1,72	down
6413529	7067212	1049228	RasGEF domain family, member 1C	Rasgef1c	360519	1,90	up
6498632	7067212	1049219	RasGEF domain family, member 1C	Rasgef1c	360519	1,21	down
6550785	7067212	1049224	RasGEF domain family, member 1C	Rasgef1c	360519	1,05	down
6577227	7067212	1049216	RasGEF domain family, member 1C	Rasgef1c	360519	1,16	down
6590015	7067212	1049220	RasGEF domain family, member 1C	Rasgef1c	360519	1,16	down
6665814	7067212	1049222	RasGEF domain family, member 1C	Rasgef1c	360519	1,02	down
6712887	7067212	1049227	RasGEF domain family, member 1C	Rasgef1c	360519	1,23	up
6724139	7067212	1049222	RasGEF domain family, member 1C	Rasgef1c	360519	1,27	down
5843089	7174098	1310345	Ras-like without CAAX 2	Rit2	291713	1,45	down
6028755	7174098	1310350	Ras-like without CAAX 2	Rit2	291713	1,43	up
6153610	7174098	1310346	Ras-like without CAAX 2	Rit2	291713	1,88	down
6310655	7174098	1310347	Ras-like without CAAX 2	Rit2	291713	1,52	down
6417458	7174098	1310350	Ras-like without CAAX 2	Rit2	291713	1,15	up
6451457	7174098	1310348	Ras-like without CAAX 2	Rit2	291713	2,16	up
6456964	7174098	1310349	Ras-like without CAAX 2	Rit2	291713	1,10	down
6420523	7070455	1057352	RAS-like, family 10, member B	Rasl10b	303382	1,06	up
6600115	7070455	1057346	RAS-like, family 10, member B	Rasl10b	303382	1,12	up
5640511	7279303	1571218	Ras-related GTP binding C	Rragc	298514	1,16	up
5692121	7279303	1571209	Ras-related GTP binding C	Rragc	298514	1,50	up
5856509	7279303	1571213	Ras-related GTP binding C	Rragc	298514	1,03	up
5867807	7279303	1571215	Ras-related GTP binding C	Rragc	298514	1,32	up
6041540	7279303	1571214	Ras-related GTP binding C	Rragc	298514	1,26	up
6087042	7279303	1571218	Ras-related GTP binding C	Rragc	298514	1,44	up
6292097	7279303	1571218	Ras-related GTP binding C	Rragc	298514	1,06	up
6312125	7279303	1571218	Ras-related GTP binding C	Rragc	298514	1,05	up
6405068	7279303	1571217	Ras-related GTP binding C	Rragc	298514	1,36	up

6550334	7279303	1571211	Ras-related GTP binding C	Rragc	298514	1,22	up
6689577	7279303	1571216	Ras-related GTP binding C	Rragc	298514	1,67	up
5782950	7059584	1030542	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,01	down
5967938	7059584	1030543	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,19	up
5985690	7059584	1030542	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,13	up
6002591	7059584	1030546	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,30	up
6006886	7059584	1030542	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,61	up
6073745	7059584	1030544	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,33	up
6090935	7059584	1030545	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,27	up
6180978	7059584	1030543	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,06	up
6367945	7059584	1030542	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,17	up
6578463	7059584	1030546	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,05	up
6704144	7059584	1030546	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	Rce1	309153	1,41	up
5646349	7131971	1206223	REC8 homolog (yeast)	Rec8	290227	1,10	up
5687248	7131971	1206212	REC8 homolog (yeast)	Rec8	290227	1,19	down
5721411	7131971	1206213	REC8 homolog (yeast)	Rec8	290227	1,02	down
5750053	7131971	1206217	REC8 homolog (yeast)	Rec8	290227	2,09	up
5753983	7131971	1206230	REC8 homolog (yeast)	Rec8	290227	1,28	up
5850084	7131971	1206218	REC8 homolog (yeast)	Rec8	290227	1,01	up
6035893	7131971	1206215	REC8 homolog (yeast)	Rec8	290227	1,06	down
6059923	7131971	1206225	REC8 homolog (yeast)	Rec8	290227	1,08	up
6182298	7131971	1206221	REC8 homolog (yeast)	Rec8	290227	1,27	down
6218749	7131971	1206216	REC8 homolog (yeast)	Rec8	290227	1,26	down
6223164	7131971	1206228	REC8 homolog (yeast)	Rec8	290227	1,48	down
6251873	7131971	1206220	REC8 homolog (yeast)	Rec8	290227	1,03	down
6458392	7131971	1206218	REC8 homolog (yeast)	Rec8	290227	1,20	up
6515818	7131971	1206217	REC8 homolog (yeast)	Rec8	290227	1,02	up
6523908	7131971	1206226	REC8 homolog (yeast)	Rec8	290227	1,96	down
6525864	7131971	1206230	REC8 homolog (yeast)	Rec8	290227	1,20	down
6543933	7131971	1206219	REC8 homolog (yeast)	Rec8	290227	1,65	up
6588089	7131971	1206214	REC8 homolog (yeast)	Rec8	290227	1,16	up
6649175	7131971	1206227	REC8 homolog (yeast)	Rec8	290227	1,46	down
6656416	7131971	1206211	REC8 homolog (yeast)	Rec8	290227	1,80	up
6658185	7131971	1206229	REC8 homolog (yeast)	Rec8	290227	1,32	down
6671019	7131971	1206211	REC8 homolog (yeast)	Rec8	290227	1,89	down
6672327	7131971	1206222	REC8 homolog (yeast)	Rec8	290227	1,07	up
6691016	7131971	1206224	REC8 homolog (yeast)	Rec8	290227	1,22	down
5734132	7094771	1114515	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,69	down
6105976	7094771	1114511	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,10	down
6152991	7094771	1114511	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,12	down
6210979	7094771	1114514	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,23	down
6262832	7094771	1114510	receptor (chemosensory) transporter protein 4	Rtp4	360733	3,33	down
6590933	7094771	1114512	receptor (chemosensory) transporter protein 4	Rtp4	360733	2,04	up
6625133	7094771	1114512	receptor (chemosensory) transporter protein 4	Rtp4	360733	3,53	up
5784930	7163892	1284205	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,23	up
5816297	7163892	1284207	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,06	down
5927050	7163892	1284208	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,11	down
5990737	7163892	1284214	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,09	up
6028181	7163892	1284205	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,62	up
6035532	7163892	1284206	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,36	up
6091428	7163892	1284205	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,05	down
6102779	7163892	1284206	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,10	down
6107295	7163892	1284208	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,21	up
6213775	7163892	1284217	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,20	up
6266550	7163892	1284211	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,45	down
6267050	7163892	1284212	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,03	down

6289009	7163892	1284213	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,09	up
6313681	7163892	1284214	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,04	up
6404740	7163892	1284208	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,02	down
6407078	7163892	1284217	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,10	up
6498751	7163892	1284205	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,95	down
6557313	7163892	1284205	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,15	down
6581673	7163892	1284216	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,99	up
6584181	7163892	1284209	receptor (TNFRSF)-interacting serine-threonine kinase 1	Ripk1	306886	1,10	down
5806559	7133181	1209153	receptor accessory protein 4	Reep4	306014	1,16	up
6056075	7133181	1209156	receptor accessory protein 4	Reep4	306014	1,13	up
6138939	7133181	1209158	receptor accessory protein 4	Reep4	306014	2,64	down
6161908	7133181	1209157	receptor accessory protein 4	Reep4	306014	1,37	up
6182303	7133181	1209154	receptor accessory protein 4	Reep4	306014	1,04	down
6250143	7133181	1209152	receptor accessory protein 4	Reep4	306014	1,26	up
6692966	7133181	1209155	receptor accessory protein 4	Reep4	306014	1,24	down
6733890	7133181	1209158	receptor accessory protein 4	Reep4	306014	1,45	down
5783638	7229909	1447250	receptor-associated protein of the synapse	Rapsn	362161	1,25	up
6005716	7229909	1447249	receptor-associated protein of the synapse	Rapsn	362161	1,16	down
6036733	7229909	1447254	receptor-associated protein of the synapse	Rapsn	362161	1,15	up
6037328	7229909	1447253	receptor-associated protein of the synapse	Rapsn	362161	1,13	up
6135223	7229909	1447245	receptor-associated protein of the synapse	Rapsn	362161	2,04	down
6368931	7229909	1447251	receptor-associated protein of the synapse	Rapsn	362161	2,04	up
6476225	7229909	1447246	receptor-associated protein of the synapse	Rapsn	362161	1,29	up
6652613	7229909	1447252	receptor-associated protein of the synapse	Rapsn	362161	1,08	up
5688986	7284153	1583006	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,44	up
5840244	7284153	1583006	receptor-interacting serine-threonine kinase 2	Ripk2	362491	2,15	down
6028851	7284153	1583015	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,06	up
6142471	7284153	1583016	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,52	down
6488027	7284153	1583005	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,10	down
6493593	7284153	1583010	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,15	up
6526828	7284153	1583003	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,14	down
6531710	7284153	1583012	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,45	down
6553907	7284153	1583013	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,31	up
6633117	7284153	1583004	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,45	down
6705683	7284153	1583008	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,27	up
5631052	7270920	1549554	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,93	down
5909909	7270920	1549552	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,11	down
5945650	7270920	1549553	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	2,25	down
5976661	7270920	1549561	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,18	up
6023607	7270920	1549554	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,30	up
6066611	7270920	1549563	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,02	up
6110592	7270920	1549558	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,07	down
6118811	7270920	1549556	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,16	up
6162162	7270920	1549557	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,03	down
6244264	7270920	1549559	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,05	down
6309848	7270920	1549565	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,06	up
6375699	7270920	1549567	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,05	up
6462219	7270920	1549562	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,05	down
6530003	7270920	1549564	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,42	up
6547352	7270920	1549560	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,47	up
6586302	7270920	1549552	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,21	up
6673818	7270920	1549555	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,28	up
6714746	7270920	1549566	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,08	down
6745100	7270920	1549566	RecQ protein-like (DNA helicase Q1-like)	Recq1	312824	1,52	up
5715654	7230611	1448810	regeneration associated muscle protease	Ramp	311252	1,19	down
5717259	7230611	1448813	regeneration associated muscle protease	Ramp	311252	1,11	up

5814825	7230611	1448814	regeneration associated muscle protease	Ramp	311252	1,11	down
6142710	7230611	1448808	regeneration associated muscle protease	Ramp	311252	1,32	up
6166637	7230611	1448820	regeneration associated muscle protease	Ramp	311252	1,17	up
6205698	7230611	1448801	regeneration associated muscle protease	Ramp	311252	1,18	down
6240919	7230611	1448816	regeneration associated muscle protease	Ramp	311252	1,91	down
6481927	7230611	1448820	regeneration associated muscle protease	Ramp	311252	1,12	down
6511703	7230611	1448801	regeneration associated muscle protease	Ramp	311252	1,10	up
5635106	7360353	1770625	regulating synaptic membrane exocytosis 1	Rims1	84556	1,18	down
5658839	7360353	1770614	regulating synaptic membrane exocytosis 1	Rims1	84556	1,17	up
5659513	7360353	1770607	regulating synaptic membrane exocytosis 1	Rims1	84556	1,21	up
5676767	7360353	1770631	regulating synaptic membrane exocytosis 1	Rims1	84556	1,06	down
5682143	7360353	1770606	regulating synaptic membrane exocytosis 1	Rims1	84556	1,46	up
5735861	7360353	1770631	regulating synaptic membrane exocytosis 1	Rims1	84556	1,15	down
5751282	7360353	1770612	regulating synaptic membrane exocytosis 1	Rims1	84556	1,12	up
5760281	7360353	1770618	regulating synaptic membrane exocytosis 1	Rims1	84556	1,24	up
5764028	7360353	1770617	regulating synaptic membrane exocytosis 1	Rims1	84556	1,01	down
5814916	7360353	1770619	regulating synaptic membrane exocytosis 1	Rims1	84556	1,15	up
5840365	7360353	1770636	regulating synaptic membrane exocytosis 1	Rims1	84556	1,04	up
5865739	7360353	1770605	regulating synaptic membrane exocytosis 1	Rims1	84556	1,02	down
5880890	7360353	1770609	regulating synaptic membrane exocytosis 1	Rims1	84556	1,48	up
5982442	7360353	1770626	regulating synaptic membrane exocytosis 1	Rims1	84556	1,09	up
6046129	7360353	1770629	regulating synaptic membrane exocytosis 1	Rims1	84556	1,18	down
6076866	7360353	1770627	regulating synaptic membrane exocytosis 1	Rims1	84556	1,31	up
6087345	7360353	1770608	regulating synaptic membrane exocytosis 1	Rims1	84556	1,20	up
6119039	7360353	1770636	regulating synaptic membrane exocytosis 1	Rims1	84556	1,20	down
6191854	7360353	1770631	regulating synaptic membrane exocytosis 1	Rims1	84556	1,05	down
6233945	7360353	1770605	regulating synaptic membrane exocytosis 1	Rims1	84556	1,03	up
6288902	7360353	1770635	regulating synaptic membrane exocytosis 1	Rims1	84556	1,47	up
6303066	7360353	1770636	regulating synaptic membrane exocytosis 1	Rims1	84556	1,00	up
6349688	7360353	1770628	regulating synaptic membrane exocytosis 1	Rims1	84556	1,01	down
6384099	7360353	1770634	regulating synaptic membrane exocytosis 1	Rims1	84556	1,51	down
6485361	7360353	1770615	regulating synaptic membrane exocytosis 1	Rims1	84556	1,38	up
6487417	7360353	1770624	regulating synaptic membrane exocytosis 1	Rims1	84556	1,15	up
6499508	7360353	1770623	regulating synaptic membrane exocytosis 1	Rims1	84556	1,01	down
6501725	7360353	1770620	regulating synaptic membrane exocytosis 1	Rims1	84556	1,04	down
6516005	7360353	1770611	regulating synaptic membrane exocytosis 1	Rims1	84556	1,46	down
6536297	7360353	1770632	regulating synaptic membrane exocytosis 1	Rims1	84556	1,11	down
6551508	7360353	1770633	regulating synaptic membrane exocytosis 1	Rims1	84556	1,15	up
6579605	7360353	1770630	regulating synaptic membrane exocytosis 1	Rims1	84556	1,17	up
6582015	7360353	1770610	regulating synaptic membrane exocytosis 1	Rims1	84556	2,30	down
6633233	7360353	1770622	regulating synaptic membrane exocytosis 1	Rims1	84556	1,30	down
6649481	7360353	1770628	regulating synaptic membrane exocytosis 1	Rims1	84556	1,05	down
6668952	7360353	1770616	regulating synaptic membrane exocytosis 1	Rims1	84556	1,04	down
6703920	7360353	1770621	regulating synaptic membrane exocytosis 1	Rims1	84556	1,02	up
6715368	7360353	1770613	regulating synaptic membrane exocytosis 1	Rims1	84556	1,05	up
5763504	7359874	1769345	regulator of calcineurin 2	Rcan2	140666	1,24	up
5933795	7359874	1769349	regulator of calcineurin 2	Rcan2	140666	1,12	up
5974481	7359874	1769350	regulator of calcineurin 2	Rcan2	140666	2,38	up
6330213	7359874	1769346	regulator of calcineurin 2	Rcan2	140666	1,02	up
6541459	7359874	1769347	regulator of calcineurin 2	Rcan2	140666	1,11	up
6709062	7359874	1769344	regulator of calcineurin 2	Rcan2	140666	1,43	up
5645356	7133349	1209572	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,40	up
5661287	7133349	1209573	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,03	down
5752963	7133349	1209576	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,30	down
5820918	7133349	1209564	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	2,19	down
5885216	7133349	1209565	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,65	up

5942952	7133349	1209571	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,73	up
6005995	7133349	1209567	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,18	down
6020989	7133349	1209567	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,16	up
6075574	7133349	1209566	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,26	up
6267247	7133349	1209569	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,46	up
6281518	7133349	1209570	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,03	down
6281947	7133349	1209575	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,16	down
6314137	7133349	1209568	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,35	up
6573449	7133349	1209577	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,08	down
6693966	7133349	1209574	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containin	Rcbtb2	290363	1,07	down
5669604	7106414	1143197	regulator of G-protein signaling 16	Rgs16	360857	1,05	up
5826834	7106414	1143195	regulator of G-protein signaling 16	Rgs16	360857	1,05	up
5920927	7106414	1143194	regulator of G-protein signaling 16	Rgs16	360857	1,23	up
6506011	7106414	1143196	regulator of G-protein signaling 16	Rgs16	360857	1,15	down
5651959	7236395	1464353	regulator of telomere elongation helicase 1	Rtel1	362288	1,27	up
5656524	7236395	1464351	regulator of telomere elongation helicase 1	Rtel1	362288	1,14	down
5668072	7236395	1464350	regulator of telomere elongation helicase 1	Rtel1	362288	1,21	down
5702550	7236395	1464352	regulator of telomere elongation helicase 1	Rtel1	362288	1,13	down
5844073	7236395	1464354	regulator of telomere elongation helicase 1	Rtel1	362288	1,16	down
6040915	7236395	1464354	regulator of telomere elongation helicase 1	Rtel1	362288	1,20	up
6104826	7236395	1464349	regulator of telomere elongation helicase 1	Rtel1	362288	1,06	up
6157798	7236395	1464354	regulator of telomere elongation helicase 1	Rtel1	362288	1,08	up
6165119	7236395	1464347	regulator of telomere elongation helicase 1	Rtel1	362288	1,48	up
6178382	7236395	1464348	regulator of telomere elongation helicase 1	Rtel1	362288	1,54	up
6685157	7236395	1464346	regulator of telomere elongation helicase 1	Rtel1	362288	1,49	down
5796123	7384985	1831803	renin binding protein	Renbp	81759	2,17	up
5954295	7384985	1831799	renin binding protein	Renbp	81759	1,35	down
5958006	7384985	1831804	renin binding protein	Renbp	81759	1,19	down
5997295	7384985	1831805	renin binding protein	Renbp	81759	1,51	up
6078741	7384985	1831797	renin binding protein	Renbp	81759	1,18	down
6164097	7384985	1831802	renin binding protein	Renbp	81759	1,33	up
6208225	7384985	1831802	renin binding protein	Renbp	81759	1,25	down
6249976	7384985	1831797	renin binding protein	Renbp	81759	1,14	up
6280955	7384985	1831804	renin binding protein	Renbp	81759	1,28	down
6348878	7384985	1831798	renin binding protein	Renbp	81759	1,26	down
6466173	7384985	1831800	renin binding protein	Renbp	81759	1,37	up
6482631	7384985	1831796	renin binding protein	Renbp	81759	1,32	down
6545938	7384985	1831796	renin binding protein	Renbp	81759	1,87	down
6566633	7384985	1831801	renin binding protein	Renbp	81759	1,12	down
5654906	7301890	1626692	REST corepressor 1	Rcor1	314458	1,05	up
5944021	7301890	1626692	REST corepressor 1	Rcor1	314458	1,24	up
6391468	7301890	1626692	REST corepressor 1	Rcor1	314458	1,27	down
5970076	7336485	1710685	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,40	up
6013234	7336485	1710680	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	2,01	down
6211684	7336485	1710685	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,12	up
6386306	7336485	1710682	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,29	up
6406847	7336485	1710687	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,60	down
6426951	7336485	1710680	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,49	up
6443743	7336485	1710683	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,20	up
6668941	7336485	1710686	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,46	up
6691138	7336485	1710681	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,16	down
6702932	7336485	1710684	reticulocalbin 2, EF-hand calcium binding domain	Rcn2	29218	1,28	up
5631833	7307646	1641844	reticulon 1	Rtn1	116644	1,09	down
5694248	7307646	1641850	reticulon 1	Rtn1	116644	2,79	up
6163574	7307646	1641844	reticulon 1	Rtn1	116644	1,18	down
6184947	7307646	1641848	reticulon 1	Rtn1	116644	1,04	up

6428753	7307646	1641844	reticulon 1	Rtn1	116644	1,04	down
6486242	7307646	1641846	reticulon 1	Rtn1	116644	1,27	down
6501601	7307646	1641845	reticulon 1	Rtn1	116644	1,05	down
6511972	7307646	1641849	reticulon 1	Rtn1	116644	1,09	down
6722703	7307646	1641847	reticulon 1	Rtn1	116644	1,02	down
6743533	7307646	1641850	reticulon 1	Rtn1	116644	1,41	up
6163011	7247229	1490534	retinoblastoma-like 1 (p107)	Rbl1	680111	1,54	down
6369560	7247229	1490564	retinoblastoma-like 1 (p107)	Rbl1	680111	1,66	up
5844375	7183304	1334012	retinoblastoma-like 2	Rbl2	81758	1,30	up
5847840	7183304	1334013	retinoblastoma-like 2	Rbl2	81758	1,53	up
6012824	7183304	1334009	retinoblastoma-like 2	Rbl2	81758	1,19	up
6067456	7183304	1334004	retinoblastoma-like 2	Rbl2	81758	1,49	up
6089860	7183304	1334001	retinoblastoma-like 2	Rbl2	81758	1,33	down
6097597	7183304	1334006	retinoblastoma-like 2	Rbl2	81758	1,04	down
6101806	7183304	1334011	retinoblastoma-like 2	Rbl2	81758	1,50	up
6128321	7183304	1334016	retinoblastoma-like 2	Rbl2	81758	1,17	down
6240106	7183304	1334015	retinoblastoma-like 2	Rbl2	81758	1,03	up
6251013	7183304	1334000	retinoblastoma-like 2	Rbl2	81758	1,63	up
6295897	7183304	1334018	retinoblastoma-like 2	Rbl2	81758	1,22	up
6336409	7183304	1333999	retinoblastoma-like 2	Rbl2	81758	2,61	up
6357103	7183304	1334017	retinoblastoma-like 2	Rbl2	81758	1,76	down
6358695	7183304	1334003	retinoblastoma-like 2	Rbl2	81758	1,30	up
6360304	7183304	1334011	retinoblastoma-like 2	Rbl2	81758	1,35	down
6390309	7183304	1334021	retinoblastoma-like 2	Rbl2	81758	1,46	down
6428957	7183304	1334008	retinoblastoma-like 2	Rbl2	81758	1,01	down
6510323	7183304	1334021	retinoblastoma-like 2	Rbl2	81758	1,47	up
6511735	7183304	1334005	retinoblastoma-like 2	Rbl2	81758	1,02	up
6513227	7183304	1334012	retinoblastoma-like 2	Rbl2	81758	1,18	down
6556675	7183304	1334019	retinoblastoma-like 2	Rbl2	81758	1,13	up
6587455	7183304	1334001	retinoblastoma-like 2	Rbl2	81758	1,00	up
6604438	7183304	1333998	retinoblastoma-like 2	Rbl2	81758	1,09	up
6664234	7183304	1334014	retinoblastoma-like 2	Rbl2	81758	1,02	up
6678380	7183304	1334010	retinoblastoma-like 2	Rbl2	81758	1,64	up
6711880	7183304	1334020	retinoblastoma-like 2	Rbl2	81758	1,27	down
6733164	7183304	1334007	retinoblastoma-like 2	Rbl2	81758	1,13	up
6746053	7183304	1334002	retinoblastoma-like 2	Rbl2	81758	1,09	down
5689977	7299663	1620999	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,34	up
5818774	7299663	1621000	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	2,02	down
5841591	7299663	1620994	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,09	up
6099460	7299663	1621001	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,35	down
6275349	7299663	1620993	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,33	down
6288845	7299663	1620995	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,36	down
6318017	7299663	1620997	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,00	down
6434246	7299663	1621000	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,18	down
6608374	7299663	1621001	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	Rdh12	314264	1,59	up
5680856	7326322	1686613	retinol dehydrogenase 7	Rdh7	360420	1,20	down
5697540	7326322	1686612	retinol dehydrogenase 7	Rdh7	360420	2,23	down
5798478	7326322	1686609	retinol dehydrogenase 7	Rdh7	360420	1,29	up
5862623	7326322	1686608	retinol dehydrogenase 7	Rdh7	360420	1,60	up
6045396	7326322	1686613	retinol dehydrogenase 7	Rdh7	360420	1,35	down
6221213	7326322	1686608	retinol dehydrogenase 7	Rdh7	360420	1,31	up
6224637	7326322	1686608	retinol dehydrogenase 7	Rdh7	360420	1,03	up
6306431	7326322	1686609	retinol dehydrogenase 7	Rdh7	360420	1,14	up
6358764	7326322	1686609	retinol dehydrogenase 7	Rdh7	360420	1,75	down
6514641	7326322	1686611	retinol dehydrogenase 7	Rdh7	360420	1,04	up
6745623	7326322	1686610	retinol dehydrogenase 7	Rdh7	360420	1,84	up

5651450	7274585	1558781	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,04	down
5702115	7274585	1558782	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,43	up
5723584	7274585	1558794	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,15	down
5769676	7274585	1558771	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,30	down
5816464	7274585	1558783	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,13	up
5846257	7274585	1558788	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,49	up
5860755	7274585	1558786	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,17	down
6047062	7274585	1558787	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,02	down
6104432	7274585	1558782	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,06	down
6159369	7274585	1558797	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,14	up
6175764	7274585	1558778	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,10	down
6204305	7274585	1558774	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,56	down
6211303	7274585	1558763	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,93	down
6221250	7274585	1558792	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,16	up
6280205	7274585	1558793	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,21	up
6357452	7274585	1558768	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,32	up
6439590	7274585	1558785	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,07	up
6581468	7274585	1558796	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,05	up
6582768	7274585	1558772	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,37	down
6592301	7274585	1558797	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,32	down
6631399	7274585	1558784	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,23	down
6665913	7274585	1558797	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	2,34	down
6708113	7274585	1558791	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,16	up
6711928	7274585	1558776	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,00	down
5886763	7290921	1599078	RGD1559909	RGD1559909	362592	1,53	up
5914670	7290921	1599077	RGD1559909	RGD1559909	362592	2,12	down
6220501	7290921	1599077	RGD1559909	RGD1559909	362592	1,28	down
6461655	7290921	1599077	RGD1559909	RGD1559909	362592	1,36	down
5671926	7315571	1661006	RGD1561648	RGD1561648	500841	1,75	up
5738746	7315571	1660997	RGD1561648	RGD1561648	500841	1,06	down
5744566	7315571	1660974	RGD1561648	RGD1561648	500841	1,02	down
5822454	7315571	1661004	RGD1561648	RGD1561648	500841	1,05	down
5957243	7315571	1661008	RGD1561648	RGD1561648	500841	1,03	up
6038454	7315571	1660969	RGD1561648	RGD1561648	500841	1,93	down
6221077	7315571	1660974	RGD1561648	RGD1561648	500841	1,67	down
6277016	7315571	1661002	RGD1561648	RGD1561648	500841	1,55	down
6283641	7315571	1661007	RGD1561648	RGD1561648	500841	1,07	up
6318127	7315571	1660999	RGD1561648	RGD1561648	500841	1,25	down
6519934	7315571	1660967	RGD1561648	RGD1561648	500841	1,36	up
6539160	7315571	1661009	RGD1561648	RGD1561648	500841	2,23	up
6550404	7315571	1661009	RGD1561648	RGD1561648	500841	1,87	up
6553350	7315571	1660973	RGD1561648	RGD1561648	500841	1,09	up
6583701	7315571	1661001	RGD1561648	RGD1561648	500841	1,60	down
6628056	7315571	1660974	RGD1561648	RGD1561648	500841	1,68	down
5620823	7156114	1266048	RGD1562097	RGD1562097	498718	1,67	up
5644349	7156114	1266045	RGD1562097	RGD1562097	498718	2,23	up
6058193	7156114	1266048	RGD1562097	RGD1562097	498718	1,05	up
6113176	7156114	1266049	RGD1562097	RGD1562097	498718	1,65	down
5813090	7279073	1570686	RGD1563049	RGD1563049	298493	1,05	up
6026957	7279073	1570685	RGD1563049	RGD1563049	298493	1,45	up
6727401	7279073	1570687	RGD1563049	RGD1563049	298493	1,19	up
5662137	7341646	1724208	RGD1563398	RGD1563398	301075	1,16	down
5672211	7341646	1724212	RGD1563398	RGD1563398	301075	1,37	up
5720223	7341646	1724196	RGD1563398	RGD1563398	301075	1,47	down
5723037	7341646	1724195	RGD1563398	RGD1563398	301075	1,54	down
5751319	7341646	1724199	RGD1563398	RGD1563398	301075	1,21	up

5755296	7341646	1724214	RGD1563398	RGD1563398	301075	1,14	up
5755547	7341646	1724209	RGD1563398	RGD1563398	301075	1,10	up
5770364	7341646	1724215	RGD1563398	RGD1563398	301075	1,17	up
5785689	7341646	1724213	RGD1563398	RGD1563398	301075	1,27	down
5960648	7341646	1724205	RGD1563398	RGD1563398	301075	1,12	up
5962320	7341646	1724200	RGD1563398	RGD1563398	301075	1,09	up
5990661	7341646	1724194	RGD1563398	RGD1563398	301075	1,33	down
6021198	7341646	1724204	RGD1563398	RGD1563398	301075	1,03	down
6021436	7341646	1724192	RGD1563398	RGD1563398	301075	1,39	down
6032766	7341646	1724194	RGD1563398	RGD1563398	301075	1,06	down
6083013	7341646	1724215	RGD1563398	RGD1563398	301075	1,01	down
6098312	7341646	1724193	RGD1563398	RGD1563398	301075	1,08	up
6127248	7341646	1724203	RGD1563398	RGD1563398	301075	1,23	down
6171778	7341646	1724201	RGD1563398	RGD1563398	301075	1,55	down
6345170	7341646	1724212	RGD1563398	RGD1563398	301075	1,20	up
6474954	7341646	1724215	RGD1563398	RGD1563398	301075	1,05	down
6493215	7341646	1724207	RGD1563398	RGD1563398	301075	1,01	up
6617441	7341646	1724213	RGD1563398	RGD1563398	301075	1,01	up
6729631	7341646	1724214	RGD1563398	RGD1563398	301075	1,40	down
6354081	7249737	1496748	RGD1564792	RGD1564792	499976	1,32	down
5693629	7072329	1061634	Rho family GTPase 2	Rnd2	303553	2,42	down
5722334	7072329	1061635	Rho family GTPase 2	Rnd2	303553	1,02	up
5881416	7072329	1061636	Rho family GTPase 2	Rnd2	303553	1,20	up
6050590	7072329	1061637	Rho family GTPase 2	Rnd2	303553	1,44	down
6082009	7072329	1061632	Rho family GTPase 2	Rnd2	303553	1,16	up
6334223	7072329	1061633	Rho family GTPase 2	Rnd2	303553	1,11	down
6643788	7072329	1061632	Rho family GTPase 2	Rnd2	303553	2,12	down
6256888	7238766	1470426	Rho family GTPase 3	Rnd3	295588	1,50	down
6508127	7238766	1470425	Rho family GTPase 3	Rnd3	295588	1,47	down
6528146	7238766	1470426	Rho family GTPase 3	Rnd3	295588	1,20	up
6528655	7238766	1470428	Rho family GTPase 3	Rnd3	295588	1,08	up
6544079	7238766	1470424	Rho family GTPase 3	Rnd3	295588	1,01	up
6655189	7238766	1470428	Rho family GTPase 3	Rnd3	295588	2,12	up
6663615	7238766	1470427	Rho family GTPase 3	Rnd3	295588	1,08	up
6737924	7238766	1470428	Rho family GTPase 3	Rnd3	295588	1,22	up
6110006	7167507	1293136	Rho GTPase activating protein 21	Arhgap21	307178	1,17	down
5620072	7169732	1298728	Rho GTPase activating protein 26	Arhgap26	307459	1,00	down
5648053	7169732	1298705	Rho GTPase activating protein 26	Arhgap26	307459	1,24	down
5677751	7169732	1298775	Rho GTPase activating protein 26	Arhgap26	307459	1,25	down
5752700	7169732	1298736	Rho GTPase activating protein 26	Arhgap26	307459	1,65	up
5776927	7169732	1298710	Rho GTPase activating protein 26	Arhgap26	307459	1,04	up
5781881	7169732	1298704	Rho GTPase activating protein 26	Arhgap26	307459	1,49	up
5817587	7169732	1298698	Rho GTPase activating protein 26	Arhgap26	307459	1,33	up
5820729	7169732	1298771	Rho GTPase activating protein 26	Arhgap26	307459	1,14	up
5833344	7169732	1298703	Rho GTPase activating protein 26	Arhgap26	307459	1,07	up
5864313	7169732	1298729	Rho GTPase activating protein 26	Arhgap26	307459	1,16	down
6118016	7169732	1298713	Rho GTPase activating protein 26	Arhgap26	307459	1,17	up
6163632	7169732	1298771	Rho GTPase activating protein 26	Arhgap26	307459	1,02	down
6369871	7169732	1298779	Rho GTPase activating protein 26	Arhgap26	307459	1,14	down
6373406	7169732	1298700	Rho GTPase activating protein 26	Arhgap26	307459	1,00	down
6419885	7169732	1298733	Rho GTPase activating protein 26	Arhgap26	307459	1,24	up
6469917	7169732	1298757	Rho GTPase activating protein 26	Arhgap26	307459	1,24	up
6487099	7169732	1298686	Rho GTPase activating protein 26	Arhgap26	307459	1,03	up
6502727	7169732	1298708	Rho GTPase activating protein 26	Arhgap26	307459	1,08	down
6508783	7169732	1298750	Rho GTPase activating protein 26	Arhgap26	307459	1,16	up
6565593	7169732	1298707	Rho GTPase activating protein 26	Arhgap26	307459	1,25	down

6573293	7169732	1298722	Rho GTPase activating protein 26	Arhgap26	307459	1,10	up
6590088	7169732	1298734	Rho GTPase activating protein 26	Arhgap26	307459	1,29	down
6673381	7169732	1298757	Rho GTPase activating protein 26	Arhgap26	307459	1,19	up
6683270	7169732	1298706	Rho GTPase activating protein 26	Arhgap26	307459	1,20	down
6689568	7169732	1298748	Rho GTPase activating protein 26	Arhgap26	307459	1,09	up
5618069	7384959	1831766	Rho GTPase activating protein 4	Arhgap4	246249	1,08	up
5629364	7384959	1831766	Rho GTPase activating protein 4	Arhgap4	246249	1,00	up
5645753	7384959	1831750	Rho GTPase activating protein 4	Arhgap4	246249	1,83	down
5713988	7384959	1831750	Rho GTPase activating protein 4	Arhgap4	246249	1,75	up
5735790	7384959	1831763	Rho GTPase activating protein 4	Arhgap4	246249	1,01	down
5894731	7384959	1831757	Rho GTPase activating protein 4	Arhgap4	246249	1,21	up
5908992	7384959	1831770	Rho GTPase activating protein 4	Arhgap4	246249	1,43	up
6036983	7384959	1831754	Rho GTPase activating protein 4	Arhgap4	246249	1,01	up
6116751	7384959	1831768	Rho GTPase activating protein 4	Arhgap4	246249	1,28	down
6228152	7384959	1831761	Rho GTPase activating protein 4	Arhgap4	246249	1,13	down
6238219	7384959	1831754	Rho GTPase activating protein 4	Arhgap4	246249	1,30	up
6253829	7384959	1831764	Rho GTPase activating protein 4	Arhgap4	246249	1,03	down
6270477	7384959	1831758	Rho GTPase activating protein 4	Arhgap4	246249	2,16	down
6277175	7384959	1831762	Rho GTPase activating protein 4	Arhgap4	246249	1,14	up
6281503	7384959	1831767	Rho GTPase activating protein 4	Arhgap4	246249	1,24	down
6313415	7384959	1831759	Rho GTPase activating protein 4	Arhgap4	246249	1,26	up
6324042	7384959	1831760	Rho GTPase activating protein 4	Arhgap4	246249	1,02	up
6360142	7384959	1831753	Rho GTPase activating protein 4	Arhgap4	246249	1,02	down
6413685	7384959	1831752	Rho GTPase activating protein 4	Arhgap4	246249	1,36	up
6478833	7384959	1831751	Rho GTPase activating protein 4	Arhgap4	246249	1,12	down
6498461	7384959	1831749	Rho GTPase activating protein 4	Arhgap4	246249	1,15	down
6521807	7384959	1831755	Rho GTPase activating protein 4	Arhgap4	246249	1,11	up
6646724	7384959	1831765	Rho GTPase activating protein 4	Arhgap4	246249	1,45	up
6698072	7384959	1831748	Rho GTPase activating protein 4	Arhgap4	246249	1,15	up
6699847	7384959	1831756	Rho GTPase activating protein 4	Arhgap4	246249	1,62	down
6739082	7384959	1831770	Rho GTPase activating protein 4	Arhgap4	246249	1,52	up
6743530	7384959	1831769	Rho GTPase activating protein 4	Arhgap4	246249	1,13	up
5644498	7319458	1670863	Rho GTPase activating protein 8	Arhgap8	300115	1,15	down
5702822	7319458	1670866	Rho GTPase activating protein 8	Arhgap8	300115	1,08	up
5714608	7319458	1670856	Rho GTPase activating protein 8	Arhgap8	300115	2,97	down
5831366	7319458	1670864	Rho GTPase activating protein 8	Arhgap8	300115	1,01	down
6001492	7319458	1670855	Rho GTPase activating protein 8	Arhgap8	300115	1,34	down
6017195	7319458	1670861	Rho GTPase activating protein 8	Arhgap8	300115	1,20	up
6133870	7319458	1670856	Rho GTPase activating protein 8	Arhgap8	300115	1,00	down
6267383	7319458	1670866	Rho GTPase activating protein 8	Arhgap8	300115	1,01	down
6327508	7319458	1670857	Rho GTPase activating protein 8	Arhgap8	300115	1,14	up
6366290	7319458	1670860	Rho GTPase activating protein 8	Arhgap8	300115	1,26	up
6470528	7319458	1670859	Rho GTPase activating protein 8	Arhgap8	300115	1,10	up
6585717	7319458	1670865	Rho GTPase activating protein 8	Arhgap8	300115	1,13	down
6618244	7319458	1670862	Rho GTPase activating protein 8	Arhgap8	300115	1,13	up
6652056	7319458	1670858	Rho GTPase activating protein 8	Arhgap8	300115	1,23	up
5671444	7196120	1365859	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,26	down
5684989	7196120	1365870	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,96	up
5731254	7196120	1365867	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,16	down
5748307	7196120	1365878	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,40	up
5825629	7196120	1365877	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,08	up
6006141	7196120	1365857	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	2,35	down
6006614	7196120	1365869	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,05	down
6019969	7196120	1365879	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,34	down
6098851	7196120	1365861	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,16	down
6107045	7196120	1365873	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	2,57	down

6108047	7196120	1365872	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,05	down
6131755	7196120	1365875	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,08	down
6136220	7196120	1365874	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,17	up
6139761	7196120	1365865	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,01	down
6180796	7196120	1365862	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,05	down
6238998	7196120	1365876	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,10	up
6278858	7196120	1365871	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,10	up
6351247	7196120	1365866	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,16	down
6374787	7196120	1365860	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,05	up
6497439	7196120	1365864	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,07	up
6564754	7196120	1365858	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,30	up
6596514	7196120	1365868	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,41	up
6597098	7196120	1365863	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,41	up
6613583	7196120	1365857	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,41	down
5628420	7326203	1686261	RhoA/RAC/CDC42 exchange factor	Gef2	314904	2,14	up
5637784	7326203	1686259	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,29	down
5769560	7326203	1686262	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,08	down
5910865	7326203	1686265	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,16	up
5923611	7326203	1686271	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,01	down
5979167	7326203	1686272	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,01	down
5994429	7326203	1686268	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,04	up
6028645	7326203	1686263	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,25	down
6101297	7326203	1686271	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,17	up
6156586	7326203	1686271	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,48	down
6190224	7326203	1686269	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,40	down
6238830	7326203	1686264	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,30	down
6288300	7326203	1686273	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,18	up
6336160	7326203	1686258	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,03	down
6432083	7326203	1686270	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,11	up
6509120	7326203	1686266	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,52	up
6574797	7326203	1686258	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,05	up
6620653	7326203	1686260	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,17	up
6634549	7326203	1686267	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,47	down
6645831	7326203	1686259	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,34	down
6665897	7326203	1686273	RhoA/RAC/CDC42 exchange factor	Gef2	314904	1,05	up
5712293	7084716	1090116	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	2,11	up
5715478	7084716	1090114	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,51	down
5738828	7084716	1090111	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,73	up
5748928	7084716	1090122	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	2,04	down
5879515	7084716	1090109	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,58	up
6019655	7084716	1090112	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,27	down
6108174	7084716	1090121	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	2,15	down
6128106	7084716	1090113	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,08	down
6157786	7084716	1090110	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,51	up
6189134	7084716	1090120	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,25	up
6204291	7084716	1090122	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,47	down
6302844	7084716	1090118	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,22	up
6308851	7084716	1090115	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,65	up
6321842	7084716	1090118	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,57	down
6374276	7084716	1090123	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,06	down
6411770	7084716	1090123	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,64	down
6424020	7084716	1090108	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,09	up
6428853	7084716	1090108	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,24	up
6470896	7084716	1090118	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,64	up
6483405	7084716	1090110	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,55	up
6498656	7084716	1090117	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,49	up

6499766	7084716	1090121	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	2,93	down
6531959	7084716	1090128	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	2,75	down
6596483	7084716	1090119	rhomboid 5 homolog 2 (Drosophila)	Rhbdf2	303690	1,21	up
5649857	7380689	1822219	RIB43A domain with coiled-coils 1	Ribc1	317431	1,39	down
5782378	7380689	1822218	RIB43A domain with coiled-coils 1	Ribc1	317431	1,07	down
5885095	7380689	1822214	RIB43A domain with coiled-coils 1	Ribc1	317431	1,07	up
5915980	7380689	1822214	RIB43A domain with coiled-coils 1	Ribc1	317431	1,56	up
5935391	7380689	1822220	RIB43A domain with coiled-coils 1	Ribc1	317431	1,30	down
6340335	7380689	1822216	RIB43A domain with coiled-coils 1	Ribc1	317431	1,23	down
6541308	7380689	1822221	RIB43A domain with coiled-coils 1	Ribc1	317431	1,35	down
6661893	7380689	1822215	RIB43A domain with coiled-coils 1	Ribc1	317431	2,53	down
6727951	7380689	1822217	RIB43A domain with coiled-coils 1	Ribc1	317431	1,20	down
5717538	7136963	1218761	ribonuclease P 14 subunit (human)	Rpp14	361020	1,06	up
5788554	7136963	1218761	ribonuclease P 14 subunit (human)	Rpp14	361020	1,31	up
5840644	7136963	1218761	ribonuclease P 14 subunit (human)	Rpp14	361020	1,04	up
5909217	7136963	1218762	ribonuclease P 14 subunit (human)	Rpp14	361020	1,03	down
5916719	7136963	1218761	ribonuclease P 14 subunit (human)	Rpp14	361020	1,02	down
5999964	7136963	1218765	ribonuclease P 14 subunit (human)	Rpp14	361020	1,08	up
6008577	7136963	1218763	ribonuclease P 14 subunit (human)	Rpp14	361020	1,19	down
6279189	7136963	1218761	ribonuclease P 14 subunit (human)	Rpp14	361020	1,18	up
6363626	7136963	1218768	ribonuclease P 14 subunit (human)	Rpp14	361020	1,14	down
6371693	7136963	1218766	ribonuclease P 14 subunit (human)	Rpp14	361020	1,13	up
6410502	7136963	1218761	ribonuclease P 14 subunit (human)	Rpp14	361020	1,65	up
6651284	7136963	1218764	ribonuclease P 14 subunit (human)	Rpp14	361020	1,21	down
6726577	7136963	1218760	ribonuclease P 14 subunit (human)	Rpp14	361020	1,15	down
5663807	7190844	1352150	ribonuclease type III, nuclear	Rnasen	310159	1,24	down
5664593	7190844	1352151	ribonuclease type III, nuclear	Rnasen	310159	1,52	down
5721139	7190844	1352132	ribonuclease type III, nuclear	Rnasen	310159	1,10	down
5731407	7190844	1352110	ribonuclease type III, nuclear	Rnasen	310159	1,34	up
5770790	7190844	1352160	ribonuclease type III, nuclear	Rnasen	310159	1,02	down
5780870	7190844	1352116	ribonuclease type III, nuclear	Rnasen	310159	1,02	up
5785932	7190844	1352170	ribonuclease type III, nuclear	Rnasen	310159	1,01	up
5799227	7190844	1352115	ribonuclease type III, nuclear	Rnasen	310159	1,11	up
5839283	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,17	up
5918745	7190844	1352114	ribonuclease type III, nuclear	Rnasen	310159	1,19	down
5992237	7190844	1352158	ribonuclease type III, nuclear	Rnasen	310159	1,07	up
5999055	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,03	down
6028727	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,14	up
6154389	7190844	1352155	ribonuclease type III, nuclear	Rnasen	310159	1,03	down
6168686	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,30	up
6183721	7190844	1352151	ribonuclease type III, nuclear	Rnasen	310159	1,74	down
6188079	7190844	1352166	ribonuclease type III, nuclear	Rnasen	310159	1,47	down
6191468	7190844	1352166	ribonuclease type III, nuclear	Rnasen	310159	1,24	down
6192315	7190844	1352113	ribonuclease type III, nuclear	Rnasen	310159	1,02	up
6194586	7190844	1352128	ribonuclease type III, nuclear	Rnasen	310159	1,04	down
6211077	7190844	1352162	ribonuclease type III, nuclear	Rnasen	310159	1,02	down
6245135	7190844	1352168	ribonuclease type III, nuclear	Rnasen	310159	2,02	down
6256271	7190844	1352131	ribonuclease type III, nuclear	Rnasen	310159	1,31	up
6353348	7190844	1352167	ribonuclease type III, nuclear	Rnasen	310159	1,18	down
6381948	7190844	1352108	ribonuclease type III, nuclear	Rnasen	310159	1,40	up
6384581	7190844	1352165	ribonuclease type III, nuclear	Rnasen	310159	1,03	down
6417948	7190844	1352121	ribonuclease type III, nuclear	Rnasen	310159	1,16	down
6478543	7190844	1352129	ribonuclease type III, nuclear	Rnasen	310159	1,70	up
6518309	7190844	1352169	ribonuclease type III, nuclear	Rnasen	310159	1,41	down
6648360	7190844	1352115	ribonuclease type III, nuclear	Rnasen	310159	1,62	up
6671167	7190844	1352106	ribonuclease type III, nuclear	Rnasen	310159	1,05	down

6672182	7190844	1352117	ribonuclease type III, nuclear	Rnasen	310159	1,02	up
6686746	7190844	1352170	ribonuclease type III, nuclear	Rnasen	310159	1,09	up
6729936	7190844	1352127	ribonuclease type III, nuclear	Rnasen	310159	1,24	up
5624137	7058717	1028690	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,72	up
5699497	7058717	1028685	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,11	up
5700694	7058717	1028682	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	2,02	down
5885226	7058717	1028692	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,85	down
6051254	7058717	1028689	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,18	up
6240615	7058717	1028684	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,03	up
6341062	7058717	1028688	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,42	up
6412207	7058717	1028683	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,37	down
6489410	7058717	1028686	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,07	down
6717981	7058717	1028687	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,02	up
6737454	7058717	1028691	ribonuclease/angiogenin inhibitor 1	Rnh1	245964	1,04	up
5726932	7277719	1567095	ribonucleoprotein, PTB-binding 2	Raver2	362551	1,14	down
5861493	7277719	1567095	ribonucleoprotein, PTB-binding 2	Raver2	362551	1,05	up
6552869	7277719	1567095	ribonucleoprotein, PTB-binding 2	Raver2	362551	1,07	down
5807990	7292100	1601542	ribosomal protein L11	Rpl11	362631	1,41	down
5820818	7292100	1601540	ribosomal protein L11	Rpl11	362631	1,13	down
6171670	7292100	1601542	ribosomal protein L11	Rpl11	362631	1,07	down
6209771	7292100	1601539	ribosomal protein L11	Rpl11	362631	1,11	down
6482992	7292100	1601541	ribosomal protein L11	Rpl11	362631	1,11	down
6506562	7292100	1601538	ribosomal protein L11	Rpl11	362631	1,46	down
5649726	7281923	1577694	ribosomal protein L22	Rpl22	81768	1,01	down
5963383	7281923	1577699	ribosomal protein L22	Rpl22	81768	1,26	up
6354175	7281923	1577691	ribosomal protein L22	Rpl22	81768	1,01	up
6470315	7281923	1577696	ribosomal protein L22	Rpl22	81768	1,03	down
5682581	7309703	1646839	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,25	up
5689605	7309703	1646834	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,08	up
5759276	7309703	1646832	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,12	down
5839944	7309703	1646829	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,11	down
5890667	7309703	1646818	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,20	down
5994433	7309703	1646823	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,10	up
6009510	7309703	1646824	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,16	down
6147801	7309703	1646822	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,04	up
6269155	7309703	1646829	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,01	down
6350950	7309703	1646837	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,51	down
6389919	7309703	1646825	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,03	down
6399905	7309703	1646813	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,32	down
6457682	7309703	1646819	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,01	up
6459541	7309703	1646814	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,10	up
6466771	7309703	1646821	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	2,10	down
6517276	7309703	1646813	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,02	up
6567453	7309703	1646815	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,74	down
6744338	7309703	1646831	ribosomal protein S6 kinase, polypeptide 5	Rps6ka5	314384	1,08	down
5630982	7217555	1416848	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,06	down
5736318	7217555	1416847	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,02	down
5741540	7217555	1416848	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,05	down
5769310	7217555	1416848	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,65	down
5826093	7217555	1416839	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,04	up
5831131	7217555	1416837	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,06	up
5894525	7217555	1416844	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,03	up
5946192	7217555	1416837	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,18	down
5950433	7217555	1416845	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,07	down
5960350	7217555	1416843	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,02	up
6102594	7217555	1416842	ribosomal RNA processing 1 homolog (S. cerevisiae)	Rrp1	309674	1,04	up

6136581	7217555	1416838	ribosomal RNA processing 1 homolog (<i>S. cerevisiae</i>)	Rrp1	309674	1,31	down
6291643	7217555	1416841	ribosomal RNA processing 1 homolog (<i>S. cerevisiae</i>)	Rrp1	309674	1,06	up
6363574	7217555	1416840	ribosomal RNA processing 1 homolog (<i>S. cerevisiae</i>)	Rrp1	309674	1,15	up
6561739	7217555	1416846	ribosomal RNA processing 1 homolog (<i>S. cerevisiae</i>)	Rrp1	309674	2,82	down
5637757	7340060	1720343	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,36	up
5682627	7340060	1720348	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,62	up
5737534	7340060	1720346	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,32	down
5842544	7340060	1720350	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,10	down
5967609	7340060	1720347	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,23	up
6016335	7340060	1720353	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,13	down
6123665	7340060	1720339	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,04	up
6153845	7340060	1720338	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,53	down
6245129	7340060	1720344	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,18	up
6329792	7340060	1720342	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,84	up
6334565	7340060	1720352	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,12	up
6370767	7340060	1720351	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,24	down
6552332	7340060	1720341	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,06	down
6578895	7340060	1720340	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	2,07	up
6581804	7340060	1720349	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,13	down
6615025	7340060	1720345	ribosomal RNA processing 9, small subunit (SSU) processome component, homol	Rrp9	363134	1,20	up
5640790	7245921	1487694	ribosome binding protein 1	Rrbp1	311483	1,03	up
5687501	7245921	1487693	ribosome binding protein 1	Rrbp1	311483	1,11	up
5795105	7245921	1487672	ribosome binding protein 1	Rrbp1	311483	1,06	up
5798450	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,12	down
5880730	7245921	1487701	ribosome binding protein 1	Rrbp1	311483	1,03	up
5893070	7245921	1487709	ribosome binding protein 1	Rrbp1	311483	1,38	up
5909588	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,12	up
5910305	7245921	1487674	ribosome binding protein 1	Rrbp1	311483	1,10	down
5962894	7245921	1487709	ribosome binding protein 1	Rrbp1	311483	1,01	down
5977705	7245921	1487680	ribosome binding protein 1	Rrbp1	311483	1,13	up
5998183	7245921	1487700	ribosome binding protein 1	Rrbp1	311483	1,17	up
6214167	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,24	up
6234754	7245921	1487696	ribosome binding protein 1	Rrbp1	311483	1,09	up
6293747	7245921	1487687	ribosome binding protein 1	Rrbp1	311483	1,00	down
6329129	7245921	1487692	ribosome binding protein 1	Rrbp1	311483	1,13	up
6348495	7245921	1487682	ribosome binding protein 1	Rrbp1	311483	1,06	up
6377121	7245921	1487677	ribosome binding protein 1	Rrbp1	311483	1,03	up
6393974	7245921	1487698	ribosome binding protein 1	Rrbp1	311483	1,29	up
6434570	7245921	1487691	ribosome binding protein 1	Rrbp1	311483	1,29	up
6438240	7245921	1487683	ribosome binding protein 1	Rrbp1	311483	1,00	up
6472392	7245921	1487678	ribosome binding protein 1	Rrbp1	311483	1,07	down
6488741	7245921	1487679	ribosome binding protein 1	Rrbp1	311483	1,09	down
6526504	7245921	1487686	ribosome binding protein 1	Rrbp1	311483	1,12	up
6580480	7245921	1487681	ribosome binding protein 1	Rrbp1	311483	1,07	up
6620477	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,03	down
6656351	7245921	1487691	ribosome binding protein 1	Rrbp1	311483	1,49	up
6698185	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,16	up
6734115	7245921	1487684	ribosome binding protein 1	Rrbp1	311483	1,20	up
6744880	7245921	1487673	ribosome binding protein 1	Rrbp1	311483	1,27	up
5627900	7168309	1295359	ring finger protein 125	Rnf125	361296	1,08	down
5773734	7168309	1295356	ring finger protein 125	Rnf125	361296	1,26	up
6058118	7168309	1295355	ring finger protein 125	Rnf125	361296	1,75	up
6130739	7168309	1295354	ring finger protein 125	Rnf125	361296	3,00	up
6270096	7168309	1295359	ring finger protein 125	Rnf125	361296	1,03	up
6601733	7168309	1295357	ring finger protein 125	Rnf125	361296	1,11	up
6653900	7168309	1295359	ring finger protein 125	Rnf125	361296	1,14	down

6670858	7168309	1295358	ring finger protein 125	Rnf125	361296	1,22	down
5623496	7132125	1206642	ring finger protein 17	Rnf17	305908	1,07	down
6003857	7132125	1206597	ring finger protein 17	Rnf17	305908	1,51	up
5731617	7083396	1087024	ring finger protein 190	Rnf190	303596	1,18	down
5852612	7083396	1087025	ring finger protein 190	Rnf190	303596	1,21	up
5861091	7083396	1087017	ring finger protein 190	Rnf190	303596	1,34	down
5864130	7083396	1087020	ring finger protein 190	Rnf190	303596	1,06	down
5939029	7083396	1087017	ring finger protein 190	Rnf190	303596	1,38	down
5984031	7083396	1087023	ring finger protein 190	Rnf190	303596	1,24	up
6064138	7083396	1087023	ring finger protein 190	Rnf190	303596	1,44	down
6094285	7083396	1087018	ring finger protein 190	Rnf190	303596	2,54	down
6104555	7083396	1087027	ring finger protein 190	Rnf190	303596	1,28	down
6408486	7083396	1087027	ring finger protein 190	Rnf190	303596	1,32	down
6428160	7083396	1087021	ring finger protein 190	Rnf190	303596	1,50	down
6480091	7083396	1087019	ring finger protein 190	Rnf190	303596	1,05	down
6482843	7083396	1087022	ring finger protein 190	Rnf190	303596	1,31	up
6686844	7083396	1087026	ring finger protein 190	Rnf190	303596	1,05	down
5805622	7279793	1572538	ring finger protein 19B	Rnf19b	313806	1,02	down
5951610	7279793	1572540	ring finger protein 19B	Rnf19b	313806	2,72	down
6027413	7279793	1572540	ring finger protein 19B	Rnf19b	313806	2,09	down
6154882	7279793	1572531	ring finger protein 19B	Rnf19b	313806	1,02	down
6292590	7279793	1572536	ring finger protein 19B	Rnf19b	313806	1,03	up
6322077	7279793	1572533	ring finger protein 19B	Rnf19b	313806	1,01	down
6442032	7279793	1572537	ring finger protein 19B	Rnf19b	313806	1,00	down
6548718	7279793	1572534	ring finger protein 19B	Rnf19b	313806	1,00	up
6632127	7279793	1572535	ring finger protein 19B	Rnf19b	313806	1,17	up
5634104	7073928	1065778	ring finger protein 213	Rnf213	303735	1,06	up
5790351	7073898	1065732	ring finger protein 213	Rnf213	303735	3,17	up
5838626	7073928	1065775	ring finger protein 213	Rnf213	303735	1,30	down
5843572	7073928	1065776	ring finger protein 213	Rnf213	303735	1,37	up
6002302	7073928	1065774	ring finger protein 213	Rnf213	303735	1,07	up
6005255	7073898	1065737	ring finger protein 213	Rnf213	303735	1,24	down
6099918	7073928	1065773	ring finger protein 213	Rnf213	303735	1,30	down
6507075	7073928	1065777	ring finger protein 213	Rnf213	303735	1,73	down
5684099	7363768	1778595	ring finger protein 25	Rnf25	301515	1,04	down
5856087	7363768	1778601	ring finger protein 25	Rnf25	301515	1,04	up
5999179	7363768	1778595	ring finger protein 25	Rnf25	301515	1,48	up
6268971	7363768	1778598	ring finger protein 25	Rnf25	301515	1,30	down
6384244	7363768	1778597	ring finger protein 25	Rnf25	301515	1,28	up
6390688	7363768	1778600	ring finger protein 25	Rnf25	301515	1,15	up
6465785	7363768	1778604	ring finger protein 25	Rnf25	301515	1,03	up
6521842	7363768	1778602	ring finger protein 25	Rnf25	301515	1,05	up
6559821	7363768	1778601	ring finger protein 25	Rnf25	301515	1,06	up
6656575	7363768	1778599	ring finger protein 25	Rnf25	301515	2,41	down
6710573	7363768	1778596	ring finger protein 25	Rnf25	301515	1,58	up
5619947	7167883	1294112	RIO kinase 3 (yeast)	Riok3	361293	1,36	down
5875746	7167883	1294111	RIO kinase 3 (yeast)	Riok3	361293	1,03	up
5999153	7167883	1294106	RIO kinase 3 (yeast)	Riok3	361293	1,13	up
5999430	7167883	1294098	RIO kinase 3 (yeast)	Riok3	361293	2,00	down
6007063	7167883	1294105	RIO kinase 3 (yeast)	Riok3	361293	1,01	up
6182523	7167883	1294099	RIO kinase 3 (yeast)	Riok3	361293	1,39	up
6226216	7167883	1294108	RIO kinase 3 (yeast)	Riok3	361293	1,02	down
6247240	7167883	1294109	RIO kinase 3 (yeast)	Riok3	361293	1,30	down
6326369	7167883	1294108	RIO kinase 3 (yeast)	Riok3	361293	1,25	down
6339360	7167883	1294101	RIO kinase 3 (yeast)	Riok3	361293	1,08	up
6411742	7167883	1294101	RIO kinase 3 (yeast)	Riok3	361293	1,37	up

6426418	7167883	1294103	RIO kinase 3 (yeast)	Riok3	361293	1,14	down
6431988	7167883	1294102	RIO kinase 3 (yeast)	Riok3	361293	1,08	up
6605391	7167883	1294104	RIO kinase 3 (yeast)	Riok3	361293	1,01	down
6612086	7167883	1294107	RIO kinase 3 (yeast)	Riok3	361293	1,11	up
6630100	7167883	1294098	RIO kinase 3 (yeast)	Riok3	361293	1,08	up
6715990	7167883	1294112	RIO kinase 3 (yeast)	Riok3	361293	1,23	down
5648710	7272824	1554963	RNA binding motif protein 12B	Rbm12b	313069	2,10	down
5827627	7272824	1554961	RNA binding motif protein 12B	Rbm12b	313069	1,36	up
6338733	7272824	1554960	RNA binding motif protein 12B	Rbm12b	313069	1,47	up
5698594	7237992	1468289	RNA binding motif protein 18	Rbm18	311902	1,21	down
5765391	7237992	1468281	RNA binding motif protein 18	Rbm18	311902	1,10	up
5780927	7237992	1468283	RNA binding motif protein 18	Rbm18	311902	1,21	down
6023981	7237992	1468284	RNA binding motif protein 18	Rbm18	311902	1,27	down
6024792	7237992	1468289	RNA binding motif protein 18	Rbm18	311902	1,33	down
6177940	7237992	1468290	RNA binding motif protein 18	Rbm18	311902	1,12	up
6295456	7237992	1468281	RNA binding motif protein 18	Rbm18	311902	1,20	down
6352861	7237992	1468290	RNA binding motif protein 18	Rbm18	311902	1,36	up
6544988	7237992	1468290	RNA binding motif protein 18	Rbm18	311902	2,10	down
6695505	7237992	1468284	RNA binding motif protein 18	Rbm18	311902	1,18	down
6741736	7237992	1468282	RNA binding motif protein 18	Rbm18	311902	1,03	down
5642966	7102510	1133844	RNA binding motif protein 19	Rbm19	304512	1,04	up
5803706	7102510	1133879	RNA binding motif protein 19	Rbm19	304512	1,45	down
5827560	7102510	1133868	RNA binding motif protein 19	Rbm19	304512	1,10	down
5861367	7102510	1133867	RNA binding motif protein 19	Rbm19	304512	2,15	down
5915230	7102510	1133887	RNA binding motif protein 19	Rbm19	304512	1,13	up
5935299	7102510	1133887	RNA binding motif protein 19	Rbm19	304512	1,23	up
5937402	7102510	1133872	RNA binding motif protein 19	Rbm19	304512	1,19	down
6039142	7102510	1133864	RNA binding motif protein 19	Rbm19	304512	1,21	down
6061959	7102510	1133883	RNA binding motif protein 19	Rbm19	304512	1,12	up
6123859	7102510	1133882	RNA binding motif protein 19	Rbm19	304512	1,21	up
6139484	7102510	1133884	RNA binding motif protein 19	Rbm19	304512	2,00	up
6166001	7102510	1133886	RNA binding motif protein 19	Rbm19	304512	1,28	up
6198481	7102510	1133885	RNA binding motif protein 19	Rbm19	304512	1,01	up
6229959	7102510	1133849	RNA binding motif protein 19	Rbm19	304512	1,29	down
6314121	7102510	1133882	RNA binding motif protein 19	Rbm19	304512	1,11	down
6321402	7102510	1133880	RNA binding motif protein 19	Rbm19	304512	1,85	up
6344863	7102510	1133840	RNA binding motif protein 19	Rbm19	304512	1,69	up
6513149	7102510	1133839	RNA binding motif protein 19	Rbm19	304512	1,70	down
6531125	7102510	1133871	RNA binding motif protein 19	Rbm19	304512	1,12	up
6546536	7102510	1133865	RNA binding motif protein 19	Rbm19	304512	1,56	up
6569216	7102510	1133873	RNA binding motif protein 19	Rbm19	304512	1,13	up
6580462	7102510	1133866	RNA binding motif protein 19	Rbm19	304512	1,32	up
6618594	7102510	1133868	RNA binding motif protein 19	Rbm19	304512	1,02	down
6688048	7102510	1133877	RNA binding motif protein 19	Rbm19	304512	1,36	up
6696736	7102510	1133878	RNA binding motif protein 19	Rbm19	304512	1,48	up
5676430	7186753	1341989	RNA binding motif protein 34	Rbm34	307956	1,56	up
5678903	7186753	1341992	RNA binding motif protein 34	Rbm34	307956	1,39	down
5681944	7186753	1341996	RNA binding motif protein 34	Rbm34	307956	1,00	down
5929908	7186753	1341995	RNA binding motif protein 34	Rbm34	307956	1,14	up
5956353	7186753	1341997	RNA binding motif protein 34	Rbm34	307956	1,09	down
6011592	7186753	1341991	RNA binding motif protein 34	Rbm34	307956	1,07	up
6136654	7186753	1341988	RNA binding motif protein 34	Rbm34	307956	1,54	down
6143333	7186753	1341993	RNA binding motif protein 34	Rbm34	307956	1,68	up
6197563	7186753	1341987	RNA binding motif protein 34	Rbm34	307956	1,20	down
6219776	7186753	1341995	RNA binding motif protein 34	Rbm34	307956	1,00	down
6258506	7186753	1341990	RNA binding motif protein 34	Rbm34	307956	2,18	up

6344948	7186753	1341994	RNA binding motif protein 34	Rbm34	307956	1,03	down
6349843	7186753	1341985	RNA binding motif protein 34	Rbm34	307956	1,48	down
6579585	7186753	1341993	RNA binding motif protein 34	Rbm34	307956	1,21	up
6655306	7186753	1341986	RNA binding motif protein 34	Rbm34	307956	1,14	down
5626912	7238826	1470535	RNA binding motif protein 43	Rbm43	311020	1,07	up
5633768	7238826	1470535	RNA binding motif protein 43	Rbm43	311020	1,14	down
5848601	7238826	1470531	RNA binding motif protein 43	Rbm43	311020	1,37	up
5860056	7238826	1470531	RNA binding motif protein 43	Rbm43	311020	1,68	up
6154089	7238826	1470531	RNA binding motif protein 43	Rbm43	311020	1,09	down
6410141	7238826	1470530	RNA binding motif protein 43	Rbm43	311020	1,44	up
6461772	7238826	1470537	RNA binding motif protein 43	Rbm43	311020	1,44	up
5653927	7210135	1399464	RNA binding motif protein 46	Rbm46	310548	1,29	down
6189730	7210135	1399460	RNA binding motif protein 46	Rbm46	310548	1,01	up
6355302	7210135	1399456	RNA binding motif protein 46	Rbm46	310548	1,06	up
6612006	7210135	1399459	RNA binding motif protein 46	Rbm46	310548	1,01	up
5621469	7349946	1744949	RNA binding motif protein 5	Rbm5	300996	1,18	up
5656138	7349946	1744934	RNA binding motif protein 5	Rbm5	300996	2,21	up
5706637	7349946	1744953	RNA binding motif protein 5	Rbm5	300996	1,10	up
5730056	7349946	1744941	RNA binding motif protein 5	Rbm5	300996	1,16	down
5731294	7349946	1744945	RNA binding motif protein 5	Rbm5	300996	1,01	down
5736755	7349946	1744940	RNA binding motif protein 5	Rbm5	300996	1,27	up
5750501	7349946	1744951	RNA binding motif protein 5	Rbm5	300996	1,19	up
5886043	7349946	1744937	RNA binding motif protein 5	Rbm5	300996	1,41	up
5916251	7349946	1744939	RNA binding motif protein 5	Rbm5	300996	1,17	down
5938273	7349946	1744934	RNA binding motif protein 5	Rbm5	300996	1,11	up
6040525	7349946	1744936	RNA binding motif protein 5	Rbm5	300996	1,69	down
6115380	7349946	1744942	RNA binding motif protein 5	Rbm5	300996	1,14	down
6131127	7349946	1744947	RNA binding motif protein 5	Rbm5	300996	1,04	up
6176292	7349946	1744935	RNA binding motif protein 5	Rbm5	300996	1,26	up
6218482	7349946	1744941	RNA binding motif protein 5	Rbm5	300996	1,09	up
6223311	7349946	1744935	RNA binding motif protein 5	Rbm5	300996	1,04	up
6241955	7349946	1744948	RNA binding motif protein 5	Rbm5	300996	1,15	up
6281226	7349946	1744943	RNA binding motif protein 5	Rbm5	300996	1,16	up
6295223	7349946	1744956	RNA binding motif protein 5	Rbm5	300996	1,00	down
6319238	7349946	1744955	RNA binding motif protein 5	Rbm5	300996	1,00	down
6399782	7349946	1744951	RNA binding motif protein 5	Rbm5	300996	1,01	down
6537364	7349946	1744950	RNA binding motif protein 5	Rbm5	300996	1,21	down
6625830	7349946	1744946	RNA binding motif protein 5	Rbm5	300996	1,15	up
6663235	7349946	1744937	RNA binding motif protein 5	Rbm5	300996	1,11	up
6726756	7349946	1744944	RNA binding motif protein 5	Rbm5	300996	1,01	down
6735041	7349946	1744938	RNA binding motif protein 5	Rbm5	300996	1,14	up
6746012	7349946	1744954	RNA binding motif protein 5	Rbm5	300996	1,10	down
5620829	7377513	1815296	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,14	down
5697166	7377513	1815293	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,13	down
5832678	7377513	1815296	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,05	down
6188658	7377513	1815296	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,21	up
6424669	7377513	1815292	RNA binding motif protein, X-linked 2	Rbmx2	367930	2,33	up
6428711	7377513	1815293	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,30	up
6555069	7377513	1815291	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,41	down
6636160	7377513	1815294	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,26	up
6656390	7377513	1815296	RNA binding motif protein, X-linked 2	Rbmx2	367930	1,12	up
5722592	7239391	1472256	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,87	down
5762798	7239391	1472248	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,05	up
5770536	7239391	1472250	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,26	up
5958131	7239391	1472253	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,06	up
5977826	7239391	1472256	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,51	up

5985969	7239391	1472258	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,23	up
6021182	7239391	1472255	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,24	up
6054368	7239391	1472246	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,10	down
6062887	7239391	1472257	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	2,73	down
6137946	7239391	1472247	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,14	up
6141977	7239391	1472244	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,77	down
6229650	7239391	1472244	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,10	down
6276797	7239391	1472254	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,10	up
6307046	7239391	1472245	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,21	down
6351147	7239391	1472253	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,09	down
6593875	7239391	1472251	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,10	down
6673532	7239391	1472249	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,19	up
6722358	7239391	1472252	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,07	up
5624945	7243628	1482390	RNA polymerase II associated protein 1	Rpap1	311338	1,42	down
5778189	7243628	1482363	RNA polymerase II associated protein 1	Rpap1	311338	1,05	down
5791392	7243628	1482390	RNA polymerase II associated protein 1	Rpap1	311338	1,53	up
5796770	7243628	1482380	RNA polymerase II associated protein 1	Rpap1	311338	1,51	up
5859430	7243628	1482374	RNA polymerase II associated protein 1	Rpap1	311338	1,16	down
5870371	7243628	1482386	RNA polymerase II associated protein 1	Rpap1	311338	1,16	down
5873028	7243628	1482381	RNA polymerase II associated protein 1	Rpap1	311338	1,03	down
5884089	7243628	1482369	RNA polymerase II associated protein 1	Rpap1	311338	1,52	down
5992194	7243628	1482363	RNA polymerase II associated protein 1	Rpap1	311338	1,21	up
6088466	7243628	1482375	RNA polymerase II associated protein 1	Rpap1	311338	1,23	down
6172423	7243628	1482378	RNA polymerase II associated protein 1	Rpap1	311338	1,09	up
6182194	7243628	1482364	RNA polymerase II associated protein 1	Rpap1	311338	1,00	down
6254383	7243628	1482369	RNA polymerase II associated protein 1	Rpap1	311338	1,50	down
6259910	7243628	1482376	RNA polymerase II associated protein 1	Rpap1	311338	1,27	up
6343239	7243628	1482389	RNA polymerase II associated protein 1	Rpap1	311338	1,18	down
6357185	7243628	1482372	RNA polymerase II associated protein 1	Rpap1	311338	1,21	up
6371071	7243628	1482379	RNA polymerase II associated protein 1	Rpap1	311338	1,14	up
6449191	7243628	1482385	RNA polymerase II associated protein 1	Rpap1	311338	1,07	up
6469732	7243628	1482367	RNA polymerase II associated protein 1	Rpap1	311338	1,13	down
6476109	7243628	1482368	RNA polymerase II associated protein 1	Rpap1	311338	1,04	up
6502135	7243628	1482373	RNA polymerase II associated protein 1	Rpap1	311338	1,01	down
6533442	7243628	1482383	RNA polymerase II associated protein 1	Rpap1	311338	1,23	down
6534893	7243628	1482385	RNA polymerase II associated protein 1	Rpap1	311338	1,61	up
6540449	7243628	1482389	RNA polymerase II associated protein 1	Rpap1	311338	1,11	down
6570394	7243628	1482383	RNA polymerase II associated protein 1	Rpap1	311338	1,12	up
6639725	7243628	1482377	RNA polymerase II associated protein 1	Rpap1	311338	1,02	up
6663711	7243628	1482370	RNA polymerase II associated protein 1	Rpap1	311338	1,09	down
6677929	7243628	1482388	RNA polymerase II associated protein 1	Rpap1	311338	1,19	up
6680731	7243628	1482371	RNA polymerase II associated protein 1	Rpap1	311338	1,13	up
6717757	7243628	1482387	RNA polymerase II associated protein 1	Rpap1	311338	2,27	down
6727492	7243628	1482364	RNA polymerase II associated protein 1	Rpap1	311338	2,24	down
6743496	7243628	1482389	RNA polymerase II associated protein 1	Rpap1	311338	1,03	down
5618203	7172988	1307286	rotatin	Rttt	291377	1,02	down
5620658	7172988	1307296	rotatin	Rttt	291377	1,13	down
5631239	7172988	1307300	rotatin	Rttt	291377	1,14	up
5631632	7172988	1307320	rotatin	Rttt	291377	1,15	down
5677197	7172988	1307299	rotatin	Rttt	291377	1,02	up
5690555	7172988	1307333	rotatin	Rttt	291377	1,78	down
5703872	7172988	1307339	rotatin	Rttt	291377	1,00	up
5716185	7172988	1307286	rotatin	Rttt	291377	1,99	down
5721923	7172988	1307338	rotatin	Rttt	291377	1,12	up
5750036	7172988	1307287	rotatin	Rttt	291377	1,09	down
5753601	7172988	1307308	rotatin	Rttt	291377	1,05	down

6390118	7216994	1415203	RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1 /// RT1 class I, locus Aw2 /// RT1-A: /// 24737 /// 24973 //	1,03	up	
6558486	7220575	1424341	RT1 class I, CE1	RT1-CE1 309603	1,08	up
5683833	7216676	1414436	RT1 class I, CE10	RT1-CE10 414792	1,35	down
5757365	7216676	1414431	RT1 class I, CE10	RT1-CE10 414792	1,42	up
5760457	7216676	1414437	RT1 class I, CE10	RT1-CE10 414792	1,93	down
5810863	7216676	1414430	RT1 class I, CE10	RT1-CE10 414792	1,38	down
5997498	7216676	1414433	RT1 class I, CE10	RT1-CE10 414792	1,06	up
6021180	7216676	1414431	RT1 class I, CE10	RT1-CE10 414792	1,31	up
6193899	7216676	1414435	RT1 class I, CE10	RT1-CE10 414792	1,19	down
6392290	7216676	1414432	RT1 class I, CE10	RT1-CE10 414792	1,41	up
6484766	7216676	1414434	RT1 class I, CE10	RT1-CE10 414792	1,06	up
6535134	7216676	1414438	RT1 class I, CE10	RT1-CE10 414792	1,02	down
5791018	7224452	1433365	RT1 class I, CE11	RT1-CE11 414791	1,06	down
6306632	7224452	1433363	RT1 class I, CE11	RT1-CE11 414791	2,14	down
6418391	7224452	1433366	RT1 class I, CE11	RT1-CE11 414791	1,99	up
6501547	7224452	1433368	RT1 class I, CE11	RT1-CE11 414791	2,14	down
5655738	7224452	1433362	RT1 class I, CE11 /// RT1 class I, CE7	T1-CE11 /// RT1-CF 414791 /// 368153	1,96	down
5744477	7216676	1414422	RT1 class I, CE11 /// RT1 class I, CE7	T1-CE11 /// RT1-CF 414791 /// 368153	1,20	up
5951170	7224452	1433364	RT1 class I, CE11 /// RT1 class I, CE7	T1-CE11 /// RT1-CF 414791 /// 368153	4,19	up
6366394	7216676	1414423	RT1 class I, CE11 /// RT1 class I, CE7	T1-CE11 /// RT1-CF 414791 /// 368153	1,94	up
6611280	7216676	1414421	RT1 class I, CE11 /// RT1 class I, CE7	T1-CE11 /// RT1-CF 414791 /// 368153	2,22	down
5631415	7220575	1424342	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	2,04	down
5694781	7224458	1433375	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,16	up
5739283	7224458	1433377	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,16	down
5812397	7224458	1433374	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	3,41	down
5947647	7220575	1424346	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	3,22	down
6077361	7220575	1424345	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,14	down
6191641	7220575	1424340	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,20	up
6449932	7224458	1433378	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,03	down
6503026	7224458	1433379	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,19	up
6567436	7220575	1424344	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,25	up
6631219	7224458	1433376	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,51	up
6677804	7220575	1424343	RT1 class I, CE12 /// RT1 class I, CE1	T1-CE12 /// RT1-CF 309600 /// 309603	1,20	up
5726291	7224429	1433327	RT1 class I, CE13	RT1-CE13 414790	2,50	down
5974309	7224429	1433329	RT1 class I, CE13	RT1-CE13 414790	1,31	down
6095052	7224429	1433331	RT1 class I, CE13	RT1-CE13 414790	1,18	up
6154595	7224429	1433328	RT1 class I, CE13	RT1-CE13 414790	1,70	up
6433164	7224429	1433332	RT1 class I, CE13	RT1-CE13 414790	2,06	down
6480762	7224429	1433326	RT1 class I, CE13	RT1-CE13 414790	1,34	down
6512034	7224429	1433329	RT1 class I, CE13	RT1-CE13 414790	1,02	down
6530313	7224429	1433330	RT1 class I, CE13	RT1-CE13 414790	2,53	up
5627628	7224429	1433336	RT1 class I, CE14	RT1-CE14 414270	1,04	up
5840800	7224429	1433334	RT1 class I, CE14	RT1-CE14 414270	1,04	up
5875739	7224429	1433337	RT1 class I, CE14	RT1-CE14 414270	2,56	up
6309097	7224429	1433333	RT1 class I, CE14	RT1-CE14 414270	1,57	up
6645381	7224429	1433333	RT1 class I, CE14	RT1-CE14 414270	2,13	up
6703942	7224429	1433335	RT1 class I, CE14	RT1-CE14 414270	1,15	up
6728037	7224429	1433335	RT1 class I, CE14	RT1-CE14 414270	2,51	down
5883384	7224511	1433492	RT1 class I, CE15	RT1-CE15 414789	1,29	up
5886649	7224511	1433489	RT1 class I, CE15	RT1-CE15 414789	1,25	down
5967519	7224511	1433490	RT1 class I, CE15	RT1-CE15 414789	1,40	down
6149192	7224511	1433494	RT1 class I, CE15	RT1-CE15 414789	1,80	down
6183578	7224511	1433488	RT1 class I, CE15	RT1-CE15 414789	2,38	up
6423532	7224511	1433491	RT1 class I, CE15	RT1-CE15 414789	1,23	down
6715287	7224511	1433493	RT1 class I, CE15	RT1-CE15 414789	2,15	down
5816043	7220541	1424280	RT1 class I, CE15 /// RT1 class I, CE4	T1-CE15 /// RT1-CF 414789 /// 414783	2,35	up

5984837	7220541	1424282	RT1 class I, CE15 /// RT1 class I, CE4	T1-CE15 /// RT1-CF 414789 /// 414783	1,14	down
5634031	7224499	1433474	RT1 class I, CE16	RT1-CE16 414819	1,18	up
5738295	7224499	1433472	RT1 class I, CE16	RT1-CE16 414819	1,34	up
5744921	7224499	1433476	RT1 class I, CE16	RT1-CE16 414819	1,29	up
5807453	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	1,31	down
6363272	7224499	1433471	RT1 class I, CE16	RT1-CE16 414819	2,54	down
6404629	7224499	1433469	RT1 class I, CE16	RT1-CE16 414819	1,15	up
6411112	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	2,61	down
6555679	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	2,11	down
6649632	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	1,36	down
6634328	7224499	1433470	RT1 class I, CE16 /// RT1 class Ib, locus Aw2	T1-CE16 /// RT1-Av 414819 /// 24737	1,71	up
6643385	7224499	1433473	RT1 class I, CE16 /// RT1 class Ib, locus Aw2	T1-CE16 /// RT1-Av 414819 /// 24737	1,08	up
5662898	7220557	1424312	RT1 class I, CE3	RT1-CE3 414793	2,21	down
5712333	7220557	1424313	RT1 class I, CE3	RT1-CE3 414793	2,33	down
5985707	7220557	1424314	RT1 class I, CE3	RT1-CE3 414793	1,98	up
6049840	7220557	1424311	RT1 class I, CE3	RT1-CE3 414793	1,43	up
6080207	7220557	1424313	RT1 class I, CE3	RT1-CE3 414793	2,11	up
6164285	7220557	1424309	RT1 class I, CE3	RT1-CE3 414793	1,28	down
6486976	7220557	1424310	RT1 class I, CE3	RT1-CE3 414793	1,06	down
5717103	7220541	1424285	RT1 class I, CE4	RT1-CE4 414783	2,10	down
5781096	7220541	1424283	RT1 class I, CE4	RT1-CE4 414783	1,02	up
5824526	7220541	1424282	RT1 class I, CE4	RT1-CE4 414783	2,69	down
6124998	7220541	1424284	RT1 class I, CE4	RT1-CE4 414783	2,14	up
6476362	7220541	1424281	RT1 class I, CE4	RT1-CE4 414783	1,37	down
6594645	7220541	1424286	RT1 class I, CE4	RT1-CE4 414783	3,48	down
5681011	7220541	1424274	RT1 class I, CE5	RT1-CE5 309607	1,09	down
5817745	7220541	1424278	RT1 class I, CE5	RT1-CE5 309607	1,88	up
6167766	7220541	1424278	RT1 class I, CE5	RT1-CE5 309607	1,82	up
6169067	7220541	1424279	RT1 class I, CE5	RT1-CE5 309607	1,06	up
6343495	7220541	1424276	RT1 class I, CE5	RT1-CE5 309607	1,05	up
6379175	7220541	1424275	RT1 class I, CE5	RT1-CE5 309607	1,53	up
6495343	7220541	1424277	RT1 class I, CE5	RT1-CE5 309607	1,67	up
6639078	7220541	1424275	RT1 class I, CE5	RT1-CE5 309607	1,39	up
6026371	7220541	1424272	RT1 class I, CE5 /// MHC class I RT1.Aa alpha-chain	RT1-CE5 /// Rt1.aa309607 /// 10018893!	1,31	down
5980405	7216676	1414427	RT1 class I, CE7	RT1-CE7 368153	1,12	down
6179965	7216676	1414425	RT1 class I, CE7	RT1-CE7 368153	2,27	up
6222885	7216676	1414424	RT1 class I, CE7	RT1-CE7 368153	1,02	down
6680965	7216676	1414426	RT1 class I, CE7	RT1-CE7 368153	1,01	up
6130573	7216994	1415197	RT1 class Ia, locus A1	RT1-A1 24973	3,30	down
6700370	7216994	1415198	RT1 class Ia, locus A1	RT1-A1 24973	1,03	up
6651777	7216994	1415181	RT1 class Ia, locus A1 /// RT1 class I, A3	RT1-A1 /// RT1-A3 24973 /// 309627	2,14	up
5680755	7216994	1415190	RT1 class Ia, locus A2	RT1-A2 24974	1,15	down
5877298	7216994	1415188	RT1 class Ia, locus A2	RT1-A2 24974	3,61	down
6373267	7216994	1415189	RT1 class Ia, locus A2	RT1-A2 24974	1,26	down
6430464	7216994	1415191	RT1 class Ia, locus A2	RT1-A2 24974	1,12	down
6671509	7216994	1415192	RT1 class Ia, locus A2 /// MHC class I RT1.Aa alpha-chain /// RT1 class I, A3 /// la /// RT1-A3 /// RT138935 /// 309627 /// 2	RT1-A2 /// RT1-A3 24974 /// 309627	1,27	up
5715677	7216994	1415196	RT1 class Ia, locus A2 /// RT1 class I, A3	RT1-A2 /// RT1-A3 24974 /// 309627	3,34	down
6255552	7216994	1415194	RT1 class Ia, locus A2 /// RT1 class I, A3	RT1-A2 /// RT1-A3 24974 /// 309627	1,83	up
6659124	7216994	1415193	RT1 class Ia, locus A2 /// RT1 class I, A3	RT1-A2 /// RT1-A3 24974 /// 309627	1,02	up
5749495	7216994	1415195	RT1 class Ia, locus A2 /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class I, A3 /// RT1-Aw2 /// 309627 /// 24737 //	RT1-A2 /// RT1-A3 24974 /// 309627 /// 24737 //	1,11	up
5875968	7216994	1415196	RT1 class Ia, locus A2 /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class I, A3 /// RT1-Aw2 /// 309627 /// 24737 //	RT1-A2 /// RT1-A3 24974 /// 309627 /// 24737 //	1,24	up
5710457	7216519	1414134	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3 24750	1,22	down
5985060	7216519	1414138	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3 24750	1,23	down
6095429	7216519	1414141	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3 24750	1,20	down
6333672	7216519	1414140	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3 24750	1,15	up
6357891	7216519	1414141	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3 24750	1,91	down

6468280	7216519	1414135	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,15	down
6494761	7216519	1414134	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,02	up
5942958	7216519	1414139	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, RT1-N3 /// RT1-N1	24750 /// 24748	1,44	down	
5710613	7216519	1414136	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, N3 /// RT1-N2 /// R1750 /// 360323 /// 247		1,27	up	
6000403	7216505	1414108	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, N3 /// RT1-N2 /// R1750 /// 360323 /// 247		1,73	up	
6204723	7216505	1414109	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, N3 /// RT1-N2 /// R1750 /// 360323 /// 247		1,23	down	
6231624	7216505	1414107	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, N3 /// RT1-N2 /// R1750 /// 360323 /// 247		2,10	up	
6325929	7216519	1414136	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, N3 /// RT1-N2 /// R1750 /// 360323 /// 247		2,73	up	
6339954	7216519	1414137	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, N3 /// RT1-N2 /// R1750 /// 360323 /// 247		2,11	up	
6164956	7216505	1414110	RT1 class Ib gene, H2-TL-like, grc region(N2)	RT1-N2	360323	1,12	down
5826119	7216505	1414106	RT1 class Ib gene, H2-TL-like, grc region(N2) /// RT1 class Ib gene, H2-TL-like, {RT1-N2 /// RT1-N1	360323 /// 24748	1,65	down	
5841468	7216505	1414111	RT1 class Ib gene, H2-TL-like, grc region(N2) /// RT1 class Ib gene, H2-TL-like, {RT1-N2 /// RT1-N1	360323 /// 24748	1,01	down	
6193811	7216505	1414105	RT1 class Ib gene, H2-TL-like, grc region(N2) /// RT1 class Ib gene, H2-TL-like, {RT1-N2 /// RT1-N1	360323 /// 24748	1,04	up	
6375369	7216505	1414106	RT1 class Ib gene, H2-TL-like, grc region(N2) /// RT1 class Ib gene, H2-TL-like, {RT1-N2 /// RT1-N1	360323 /// 24748	1,99	up	
6523100	7216505	1414112	RT1 class Ib gene, H2-TL-like, grc region(N2) /// RT1 class Ib gene, H2-TL-like, {RT1-N2 /// RT1-N1	360323 /// 24748	1,61	down	
6396165	7220557	1424308	RT1 class Ib, locus Aw2 /// RT1 class I, A3 /// RT1 class I, CE3	w2 /// RT1-A3 /// R137 /// 309627 /// 414	1,67	up	
6077325	7224452	1433367	RT1 class Ib, locus Aw2 /// RT1 class I, CE11	T1-Aw2 /// RT1-CE	24737 /// 414791	1,17	up
6663729	7220541	1424273	RT1 class Ib, locus Aw2 /// RT1 class I, CE5	T1-Aw2 /// RT1-CE	24737 /// 309607	1,02	up
6434473	7216994	1415202	RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1	RT1-Aw2 /// RT1-A	24737 /// 24973	1,44	up
6724248	7216994	1415201	RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1	RT1-Aw2 /// RT1-A	24737 /// 24973	1,67	up
5715450	7216511	1414126	RT1 class Ib, locus H2-Q-like, grc region	RT1-O	24751	1,47	down
5757405	7216511	1414125	RT1 class Ib, locus H2-Q-like, grc region	RT1-O	24751	1,06	down
6203620	7216511	1414124	RT1 class Ib, locus H2-Q-like, grc region	RT1-O	24751	2,71	up
6205605	7216511	1414123	RT1 class Ib, locus H2-Q-like, grc region	RT1-O	24751	1,31	up
6533213	7216511	1414122	RT1 class Ib, locus H2-Q-like, grc region	RT1-O	24751	1,45	down
5852615	7216926	1415046	RT1 class II, locus Ba	RT1-Ba	309621	1,00	down
6204318	7216926	1415045	RT1 class II, locus Ba	RT1-Ba	309621	2,33	up
6277957	7216926	1415044	RT1 class II, locus Ba	RT1-Ba	309621	1,44	down
6362395	7216926	1415046	RT1 class II, locus Ba	RT1-Ba	309621	1,83	up
6406548	7216926	1415048	RT1 class II, locus Ba	RT1-Ba	309621	1,86	down
6430634	7216926	1415047	RT1 class II, locus Ba	RT1-Ba	309621	1,45	down
6352043	7220882	1424994	RT1 class II, locus Bb	RT1-Bb	309622	5,16	down
6602804	7220882	1424995	RT1 class II, locus Bb	RT1-Bb	309622	1,60	down
6636314	7220882	1424994	RT1 class II, locus Bb	RT1-Bb	309622	1,20	down
6678801	7220882	1424993	RT1 class II, locus Bb	RT1-Bb	309622	1,00	up
6703260	7220882	1424990	RT1 class II, locus Bb	RT1-Bb	309622	2,66	up
5713043	7220868	1424972	RT1 class II, locus Db1	RT1-Db1	294270	1,73	up
5771937	7220868	1424974	RT1 class II, locus Db1	RT1-Db1	294270	1,18	down
5818377	7220868	1424973	RT1 class II, locus Db1	RT1-Db1	294270	1,78	up
5990980	7220868	1424971	RT1 class II, locus Db1	RT1-Db1	294270	2,38	up
6011044	7220868	1424971	RT1 class II, locus Db1	RT1-Db1	294270	1,36	down
6232438	7220868	1424975	RT1 class II, locus Db1	RT1-Db1	294270	1,19	down
6631518	7220868	1424974	RT1 class II, locus Db1	RT1-Db1	294270	1,20	down
6691003	7220868	1424974	RT1 class II, locus Db1	RT1-Db1	294270	1,08	up
6723150	7220868	1424974	RT1 class II, locus Db1	RT1-Db1	294270	1,14	down
5673220	7124152	1187346	RUN and FYVE domain containing 3	Rufy3	360921	1,07	up
5820017	7124152	1187349	RUN and FYVE domain containing 3	Rufy3	360921	1,01	down
5825966	7124152	1187347	RUN and FYVE domain containing 3	Rufy3	360921	1,11	down
6007576	7124152	1187338	RUN and FYVE domain containing 3	Rufy3	360921	1,14	up
6088776	7124152	1187339	RUN and FYVE domain containing 3	Rufy3	360921	1,07	up
6115691	7124152	1187344	RUN and FYVE domain containing 3	Rufy3	360921	1,00	down
6154153	7124152	1187341	RUN and FYVE domain containing 3	Rufy3	360921	1,00	down
6179248	7124152	1187349	RUN and FYVE domain containing 3	Rufy3	360921	1,05	down
6183218	7124152	1187337	RUN and FYVE domain containing 3	Rufy3	360921	1,66	down
6218459	7124152	1187340	RUN and FYVE domain containing 3	Rufy3	360921	2,77	up
6321490	7124152	1187350	RUN and FYVE domain containing 3	Rufy3	360921	1,02	down

6521713	7124152	1187345	RUN and FYVE domain containing 3	Rufy3	360921	1,17	up
6548103	7124152	1187343	RUN and FYVE domain containing 3	Rufy3	360921	1,21	up
6569550	7124152	1187348	RUN and FYVE domain containing 3	Rufy3	360921	1,08	up
6612413	7124152	1187342	RUN and FYVE domain containing 3	Rufy3	360921	1,10	down
5627566	7091840	1107441	runt related transcription factor 1	Runx1	50662	1,43	down
5693104	7091840	1107445	runt related transcription factor 1	Runx1	50662	1,85	up
5769943	7091840	1107439	runt related transcription factor 1	Runx1	50662	1,49	down
5775231	7091840	1107440	runt related transcription factor 1	Runx1	50662	1,18	down
5787151	7091840	1107443	runt related transcription factor 1	Runx1	50662	2,04	up
6078366	7091840	1107444	runt related transcription factor 1	Runx1	50662	1,21	down
6682291	7091840	1107442	runt related transcription factor 1	Runx1	50662	1,32	up
5625704	7051009	1011786	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,15	down
5765167	7051009	1011782	RuvB-like 2 (E. coli)	Ruvbl2	292907	2,34	up
5791970	7051009	1011788	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,46	down
5922234	7051009	1011780	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,07	up
5979837	7051009	1011778	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,23	up
6114965	7051009	1011776	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,00	up
6223971	7051009	1011775	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,16	up
6296000	7051009	1011785	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,17	up
6310353	7051009	1011776	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,32	up
6505705	7051009	1011784	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,33	up
6531249	7051009	1011776	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,01	up
6546944	7051009	1011786	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,33	down
6577817	7051009	1011781	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,11	down
6616270	7051009	1011779	RuvB-like 2 (E. coli)	Ruvbl2	292907	1,31	up
5692061	7049399	1008410	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,10	down
5709510	7049399	1008321	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,45	down
5807330	7049399	1008326	ryanodine receptor 1, skeletal muscle	Ryr1	114207	2,06	up
6353375	7049399	1008322	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,07	up
6408078	7049399	1008411	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,13	up
6445075	7049399	1008412	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,02	up
6484282	7049399	1008411	ryanodine receptor 1, skeletal muscle	Ryr1	114207	2,21	down
6538511	7049399	1008323	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,26	down
6610619	7049399	1008324	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,41	up
6634854	7049399	1008327	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,22	up
6699109	7049399	1008410	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,19	down
6725526	7049399	1008409	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,08	up
6728948	7049399	1008325	ryanodine receptor 1, skeletal muscle	Ryr1	114207	1,32	down
5626854	7159036	1272844	ryanodine receptor 2, cardiac	Ryr2	689560	1,03	up
5632943	7159036	1272928	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	up
5655286	7159036	1272881	ryanodine receptor 2, cardiac	Ryr2	689560	1,15	up
5663251	7159036	1272934	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	down
5663894	7159036	1272952	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	down
5666084	7159036	1272968	ryanodine receptor 2, cardiac	Ryr2	689560	1,26	down
5680237	7159036	1272899	ryanodine receptor 2, cardiac	Ryr2	689560	1,37	down
5687873	7159036	1272898	ryanodine receptor 2, cardiac	Ryr2	689560	1,13	up
5717967	7159036	1272914	ryanodine receptor 2, cardiac	Ryr2	689560	1,19	down
5719745	7159036	1272890	ryanodine receptor 2, cardiac	Ryr2	689560	1,04	up
5748587	7159036	1272923	ryanodine receptor 2, cardiac	Ryr2	689560	1,00	down
5760312	7159036	1272857	ryanodine receptor 2, cardiac	Ryr2	689560	1,21	up
5762180	7159036	1272879	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	up
5787593	7159036	1272883	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	down
5792795	7159036	1272876	ryanodine receptor 2, cardiac	Ryr2	689560	1,63	up
5793875	7159036	1272933	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	down
5809861	7159036	1272926	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	up
5817121	7159036	1272925	ryanodine receptor 2, cardiac	Ryr2	689560	1,39	down

5834338	7159036	1272851	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	down
5856494	7159036	1272964	ryanodine receptor 2, cardiac	Ryr2	689560	1,08	down
5862096	7159036	1272889	ryanodine receptor 2, cardiac	Ryr2	689560	1,18	up
5870401	7159036	1272869	ryanodine receptor 2, cardiac	Ryr2	689560	1,05	down
5895094	7159036	1272863	ryanodine receptor 2, cardiac	Ryr2	689560	1,18	down
5897452	7159036	1272873	ryanodine receptor 2, cardiac	Ryr2	689560	1,66	down
5918277	7159036	1272918	ryanodine receptor 2, cardiac	Ryr2	689560	1,24	up
5922565	7159036	1272877	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	down
5930001	7159036	1272954	ryanodine receptor 2, cardiac	Ryr2	689560	1,55	down
5933313	7159036	1272960	ryanodine receptor 2, cardiac	Ryr2	689560	1,16	down
5962929	7159036	1272951	ryanodine receptor 2, cardiac	Ryr2	689560	1,27	up
5970935	7159036	1272884	ryanodine receptor 2, cardiac	Ryr2	689560	1,05	down
5974989	7159036	1272841	ryanodine receptor 2, cardiac	Ryr2	689560	1,70	up
5980869	7159036	1272906	ryanodine receptor 2, cardiac	Ryr2	689560	1,24	down
5998126	7159036	1272896	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	down
6032480	7159036	1272864	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
6037821	7159036	1272848	ryanodine receptor 2, cardiac	Ryr2	689560	1,87	up
6039882	7159036	1272915	ryanodine receptor 2, cardiac	Ryr2	689560	1,13	down
6045636	7159036	1272902	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	up
6046470	7159036	1272908	ryanodine receptor 2, cardiac	Ryr2	689560	1,13	down
6075726	7159036	1272878	ryanodine receptor 2, cardiac	Ryr2	689560	1,23	up
6088439	7159036	1272924	ryanodine receptor 2, cardiac	Ryr2	689560	1,30	up
6100508	7159036	1272931	ryanodine receptor 2, cardiac	Ryr2	689560	1,30	up
6115602	7159036	1272930	ryanodine receptor 2, cardiac	Ryr2	689560	1,25	up
6125721	7159036	1272854	ryanodine receptor 2, cardiac	Ryr2	689560	2,05	down
6133232	7159036	1272859	ryanodine receptor 2, cardiac	Ryr2	689560	1,40	up
6142949	7159036	1272879	ryanodine receptor 2, cardiac	Ryr2	689560	1,52	down
6155678	7159036	1272874	ryanodine receptor 2, cardiac	Ryr2	689560	1,82	up
6158682	7159036	1272809	ryanodine receptor 2, cardiac	Ryr2	689560	1,23	down
6158697	7159036	1272893	ryanodine receptor 2, cardiac	Ryr2	689560	1,76	down
6174369	7159036	1272887	ryanodine receptor 2, cardiac	Ryr2	689560	1,03	up
6178329	7159036	1272938	ryanodine receptor 2, cardiac	Ryr2	689560	1,92	down
6181511	7159036	1272953	ryanodine receptor 2, cardiac	Ryr2	689560	1,07	down
6190212	7159036	1272891	ryanodine receptor 2, cardiac	Ryr2	689560	1,25	down
6194065	7159036	1272913	ryanodine receptor 2, cardiac	Ryr2	689560	1,11	up
6202779	7159036	1272901	ryanodine receptor 2, cardiac	Ryr2	689560	1,37	down
6211506	7159036	1272862	ryanodine receptor 2, cardiac	Ryr2	689560	1,04	up
6213046	7159036	1272950	ryanodine receptor 2, cardiac	Ryr2	689560	1,16	up
6216987	7159036	1272967	ryanodine receptor 2, cardiac	Ryr2	689560	1,00	down
6228502	7159036	1272966	ryanodine receptor 2, cardiac	Ryr2	689560	1,22	down
6235702	7159036	1272900	ryanodine receptor 2, cardiac	Ryr2	689560	1,00	up
6237289	7159036	1272874	ryanodine receptor 2, cardiac	Ryr2	689560	1,10	up
6239513	7159036	1272944	ryanodine receptor 2, cardiac	Ryr2	689560	1,26	up
6265808	7159036	1272945	ryanodine receptor 2, cardiac	Ryr2	689560	1,45	down
6276147	7159036	1272868	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	up
6277971	7159036	1272930	ryanodine receptor 2, cardiac	Ryr2	689560	1,41	up
6316451	7159036	1272886	ryanodine receptor 2, cardiac	Ryr2	689560	1,16	up
6324210	7159036	1272912	ryanodine receptor 2, cardiac	Ryr2	689560	1,21	up
6328370	7159036	1272849	ryanodine receptor 2, cardiac	Ryr2	689560	1,25	up
6362911	7159036	1272897	ryanodine receptor 2, cardiac	Ryr2	689560	1,25	down
6363399	7159036	1272840	ryanodine receptor 2, cardiac	Ryr2	689560	1,57	up
6365816	7159036	1272968	ryanodine receptor 2, cardiac	Ryr2	689560	1,13	up
6374258	7159036	1272903	ryanodine receptor 2, cardiac	Ryr2	689560	1,26	down
6383100	7159036	1272846	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	up
6387416	7159036	1272829	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	down
6420753	7159036	1272894	ryanodine receptor 2, cardiac	Ryr2	689560	1,33	up

6425704	7159036	1272916	ryanodine receptor 2, cardiac	Ryr2	689560	1,30	up
6427436	7159036	1272871	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	up
6436789	7159036	1272822	ryanodine receptor 2, cardiac	Ryr2	689560	1,63	up
6439347	7159036	1272865	ryanodine receptor 2, cardiac	Ryr2	689560	1,53	up
6492325	7159036	1272831	ryanodine receptor 2, cardiac	Ryr2	689560	1,07	down
6511780	7159036	1272832	ryanodine receptor 2, cardiac	Ryr2	689560	1,36	down
6513513	7159036	1272942	ryanodine receptor 2, cardiac	Ryr2	689560	1,08	down
6517425	7159036	1272850	ryanodine receptor 2, cardiac	Ryr2	689560	1,14	down
6527299	7159036	1272888	ryanodine receptor 2, cardiac	Ryr2	689560	1,50	down
6531330	7159036	1272895	ryanodine receptor 2, cardiac	Ryr2	689560	1,14	down
6565605	7159036	1272949	ryanodine receptor 2, cardiac	Ryr2	689560	1,62	up
6570560	7159036	1272905	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	down
6571054	7159036	1272880	ryanodine receptor 2, cardiac	Ryr2	689560	1,10	down
6574857	7159036	1272959	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	up
6574916	7159036	1272892	ryanodine receptor 2, cardiac	Ryr2	689560	1,60	down
6577990	7159036	1272885	ryanodine receptor 2, cardiac	Ryr2	689560	1,20	down
6587082	7159036	1272919	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	down
6594534	7159036	1272856	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	down
6612419	7159036	1272917	ryanodine receptor 2, cardiac	Ryr2	689560	1,34	up
6645022	7159036	1272920	ryanodine receptor 2, cardiac	Ryr2	689560	2,20	up
6648432	7159036	1272875	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	up
6654096	7159036	1272911	ryanodine receptor 2, cardiac	Ryr2	689560	1,41	up
6663218	7159036	1272910	ryanodine receptor 2, cardiac	Ryr2	689560	1,07	down
6664195	7159036	1272882	ryanodine receptor 2, cardiac	Ryr2	689560	1,18	down
6666938	7159036	1272939	ryanodine receptor 2, cardiac	Ryr2	689560	1,12	down
6667470	7159036	1272946	ryanodine receptor 2, cardiac	Ryr2	689560	1,00	up
6675983	7159036	1272861	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	up
6678589	7159036	1272834	ryanodine receptor 2, cardiac	Ryr2	689560	1,25	up
6679144	7159036	1272868	ryanodine receptor 2, cardiac	Ryr2	689560	3,44	up
6679202	7159036	1272959	ryanodine receptor 2, cardiac	Ryr2	689560	1,29	up
6704188	7159036	1272870	ryanodine receptor 2, cardiac	Ryr2	689560	1,33	down
6708151	7159036	1272940	ryanodine receptor 2, cardiac	Ryr2	689560	1,12	up
6745157	7159036	1272845	ryanodine receptor 2, cardiac	Ryr2	689560	1,37	up
5740755	7243130	1480819	ryanodine receptor 3	Ryr3	170546	1,04	up
5806572	7243130	1480962	ryanodine receptor 3	Ryr3	170546	1,08	down
5834972	7243130	1480899	ryanodine receptor 3	Ryr3	170546	2,49	down
5943387	7243130	1480816	ryanodine receptor 3	Ryr3	170546	1,38	down
5966638	7243130	1480820	ryanodine receptor 3	Ryr3	170546	1,07	up
6104472	7243130	1480954	ryanodine receptor 3	Ryr3	170546	1,28	up
6138437	7243130	1480821	ryanodine receptor 3	Ryr3	170546	1,09	up
6327866	7243130	1480818	ryanodine receptor 3	Ryr3	170546	2,51	down
6553151	7243130	1480811	ryanodine receptor 3	Ryr3	170546	1,07	down
6640676	7243130	1480817	ryanodine receptor 3	Ryr3	170546	1,59	down
5807375	7196508	1366724	S100 calcium binding protein A7A	S100a7a	685479	2,40	up
5834869	7196508	1366724	S100 calcium binding protein A7A	S100a7a	685479	1,00	up
5882165	7196508	1366725	S100 calcium binding protein A7A	S100a7a	685479	1,02	up
6324416	7196508	1366725	S100 calcium binding protein A7A	S100a7a	685479	1,24	down
5697457	7137751	1220583	sal-like 2 (Drosophila)	Sall2	305854	1,31	down
5720623	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,28	up
5934482	7137751	1220582	sal-like 2 (Drosophila)	Sall2	305854	1,86	down
6012130	7137751	1220582	sal-like 2 (Drosophila)	Sall2	305854	1,01	down
6012332	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,35	down
6238190	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,23	up
6332916	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,06	up
6456854	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,38	down
6468287	7137751	1220589	sal-like 2 (Drosophila)	Sall2	305854	1,74	up

6529539	7137751	1220581	sal-like 2 (Drosophila)	Sall2	305854	1,54	up
6651075	7137751	1220580	sal-like 2 (Drosophila)	Sall2	305854	2,39	up
6702694	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,05	up
5639767	7237124	1466069	sarcosine dehydrogenase	Sardh	114123	1,08	down
5702684	7237124	1466068	sarcosine dehydrogenase	Sardh	114123	1,44	down
5746153	7237124	1466071	sarcosine dehydrogenase	Sardh	114123	1,33	down
5811062	7237124	1466079	sarcosine dehydrogenase	Sardh	114123	1,18	up
5841079	7237124	1466064	sarcosine dehydrogenase	Sardh	114123	1,27	up
5909590	7237124	1466073	sarcosine dehydrogenase	Sardh	114123	2,18	down
5954090	7237124	1466072	sarcosine dehydrogenase	Sardh	114123	1,47	down
5994280	7237124	1466068	sarcosine dehydrogenase	Sardh	114123	1,13	up
6048107	7237124	1466063	sarcosine dehydrogenase	Sardh	114123	1,10	down
6175885	7237124	1466062	sarcosine dehydrogenase	Sardh	114123	2,48	down
6194492	7237124	1466075	sarcosine dehydrogenase	Sardh	114123	1,21	up
6233479	7237124	1466078	sarcosine dehydrogenase	Sardh	114123	1,06	down
6250614	7237124	1466067	sarcosine dehydrogenase	Sardh	114123	1,28	up
6343450	7237124	1466061	sarcosine dehydrogenase	Sardh	114123	2,01	down
6406934	7237124	1466065	sarcosine dehydrogenase	Sardh	114123	1,21	up
6452129	7237124	1466078	sarcosine dehydrogenase	Sardh	114123	1,22	down
6483519	7237124	1466070	sarcosine dehydrogenase	Sardh	114123	1,27	up
6546794	7237124	1466077	sarcosine dehydrogenase	Sardh	114123	1,37	up
6582104	7237124	1466076	sarcosine dehydrogenase	Sardh	114123	1,17	down
6605823	7237124	1466066	sarcosine dehydrogenase	Sardh	114123	1,07	up
6650130	7237124	1466074	sarcosine dehydrogenase	Sardh	114123	1,30	down
6675322	7237124	1466080	sarcosine dehydrogenase	Sardh	114123	1,64	up
5851806	7132834	1208328	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,07	up
5998800	7132834	1208331	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,05	up
6062640	7132834	1208308	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,43	up
6117198	7132834	1208324	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,47	down
6195668	7132834	1208312	scavenger receptor class A, member 5 (putative)	Scara5	305974	2,40	down
6226534	7132834	1208331	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,08	up
6337013	7132834	1208322	scavenger receptor class A, member 5 (putative)	Scara5	305974	2,42	down
6411847	7132834	1208321	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,16	up
6466634	7132834	1208323	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,71	down
6539308	7132834	1208305	scavenger receptor class A, member 5 (putative)	Scara5	305974	1,11	down
5728958	7069724	1055343	scavenger receptor class F, member 1	Scarf1	303313	1,12	down
5822971	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,24	up
5861888	7069724	1055335	scavenger receptor class F, member 1	Scarf1	303313	1,21	down
5884726	7069724	1055339	scavenger receptor class F, member 1	Scarf1	303313	1,11	down
6021537	7069724	1055340	scavenger receptor class F, member 1	Scarf1	303313	2,25	up
6030797	7069724	1055340	scavenger receptor class F, member 1	Scarf1	303313	1,17	down
6042050	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,23	up
6054612	7069724	1055338	scavenger receptor class F, member 1	Scarf1	303313	1,05	up
6129881	7069724	1055343	scavenger receptor class F, member 1	Scarf1	303313	1,72	down
6134537	7069724	1055333	scavenger receptor class F, member 1	Scarf1	303313	1,57	down
6204220	7069724	1055333	scavenger receptor class F, member 1	Scarf1	303313	1,09	down
6270032	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,25	up
6338512	7069724	1055338	scavenger receptor class F, member 1	Scarf1	303313	1,16	down
6356619	7069724	1055334	scavenger receptor class F, member 1	Scarf1	303313	1,05	up
6442689	7069724	1055340	scavenger receptor class F, member 1	Scarf1	303313	1,06	down
6542940	7069724	1055342	scavenger receptor class F, member 1	Scarf1	303313	1,04	up
6635766	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,01	up
6726230	7069724	1055341	scavenger receptor class F, member 1	Scarf1	303313	1,28	up
6735517	7069724	1055341	scavenger receptor class F, member 1	Scarf1	303313	1,37	down
5621003	7095326	1115822	scavenger receptor class F, member 2	Scarf2	287949	1,46	down
5636417	7095326	1115816	scavenger receptor class F, member 2	Scarf2	287949	1,04	down

5679791	7095326	1115810	scavenger receptor class F, member 2	Scarf2	287949	1,00	up
5686823	7095326	1115819	scavenger receptor class F, member 2	Scarf2	287949	1,03	up
5691666	7095326	1115810	scavenger receptor class F, member 2	Scarf2	287949	1,01	down
5768242	7095326	1115813	scavenger receptor class F, member 2	Scarf2	287949	1,03	down
5780481	7095326	1115811	scavenger receptor class F, member 2	Scarf2	287949	1,08	down
5806447	7095326	1115811	scavenger receptor class F, member 2	Scarf2	287949	1,01	down
5826016	7095326	1115810	scavenger receptor class F, member 2	Scarf2	287949	1,00	up
5857922	7095326	1115810	scavenger receptor class F, member 2	Scarf2	287949	1,00	up
5920645	7095326	1115810	scavenger receptor class F, member 2	Scarf2	287949	2,78	down
6033387	7095326	1115813	scavenger receptor class F, member 2	Scarf2	287949	1,00	up
6078479	7095326	1115814	scavenger receptor class F, member 2	Scarf2	287949	1,24	up
6092046	7095326	1115810	scavenger receptor class F, member 2	Scarf2	287949	2,08	down
6223212	7095326	1115815	scavenger receptor class F, member 2	Scarf2	287949	1,00	down
6371210	7095326	1115817	scavenger receptor class F, member 2	Scarf2	287949	1,00	up
6398888	7095326	1115818	scavenger receptor class F, member 2	Scarf2	287949	1,35	down
6530205	7095326	1115810	scavenger receptor class F, member 2	Scarf2	287949	1,08	down
6582946	7095326	1115812	scavenger receptor class F, member 2	Scarf2	287949	1,45	up
6642358	7095326	1115817	scavenger receptor class F, member 2	Scarf2	287949	1,16	up
5623125	7097485	1120950	scavenger receptor cysteine rich domain containing, group B (4 domains)	Srcrb4d	304401	1,16	up
6388472	7097485	1120946	scavenger receptor cysteine rich domain containing, group B (4 domains)	Srcrb4d	304401	1,07	down
5730561	7166497	1290367	Scm-like with four mbt domains 2	Sfmbt2	307106	1,00	up
5946895	7166497	1290376	Scm-like with four mbt domains 2	Sfmbt2	307106	1,97	up
6022411	7166497	1290375	Scm-like with four mbt domains 2	Sfmbt2	307106	1,46	down
6022927	7166497	1290348	Scm-like with four mbt domains 2	Sfmbt2	307106	1,06	up
6045531	7166497	1290350	Scm-like with four mbt domains 2	Sfmbt2	307106	1,36	down
6082610	7166497	1290371	Scm-like with four mbt domains 2	Sfmbt2	307106	2,04	up
6109973	7166497	1290364	Scm-like with four mbt domains 2	Sfmbt2	307106	1,03	up
6139066	7166497	1290345	Scm-like with four mbt domains 2	Sfmbt2	307106	1,22	up
6150770	7166497	1290378	Scm-like with four mbt domains 2	Sfmbt2	307106	1,05	down
6269320	7166497	1290377	Scm-like with four mbt domains 2	Sfmbt2	307106	1,34	down
6299207	7166497	1290363	Scm-like with four mbt domains 2	Sfmbt2	307106	1,03	up
6479572	7166497	1290359	Scm-like with four mbt domains 2	Sfmbt2	307106	1,28	down
6532959	7166497	1290343	Scm-like with four mbt domains 2	Sfmbt2	307106	1,31	down
6549858	7166497	1290347	Scm-like with four mbt domains 2	Sfmbt2	307106	1,03	down
6571528	7166497	1290372	Scm-like with four mbt domains 2	Sfmbt2	307106	1,08	down
6610074	7166497	1290359	Scm-like with four mbt domains 2	Sfmbt2	307106	1,05	down
6643147	7166497	1290357	Scm-like with four mbt domains 2	Sfmbt2	307106	1,02	down
6693423	7166497	1290343	Scm-like with four mbt domains 2	Sfmbt2	307106	1,13	up
6695689	7166497	1290351	Scm-like with four mbt domains 2	Sfmbt2	307106	1,00	down
6721923	7166497	1290353	Scm-like with four mbt domains 2	Sfmbt2	307106	1,03	up
6741918	7166497	1290361	Scm-like with four mbt domains 2	Sfmbt2	307106	1,06	up
5620719	7253414	1506007	SCO-spondin	Sspo	474348	2,40	down
5626174	7253414	1506031	SCO-spondin	Sspo	474348	1,04	up
5644775	7253414	1506024	SCO-spondin	Sspo	474348	1,40	up
5662034	7253414	1506003	SCO-spondin	Sspo	474348	1,11	up
5679563	7253414	1506087	SCO-spondin	Sspo	474348	1,03	down
5718003	7253414	1506014	SCO-spondin	Sspo	474348	1,01	up
5729777	7253414	1506072	SCO-spondin	Sspo	474348	1,11	up
5745631	7253414	1506001	SCO-spondin	Sspo	474348	1,44	down
5746407	7253414	1506060	SCO-spondin	Sspo	474348	1,39	down
5751246	7253414	1506020	SCO-spondin	Sspo	474348	1,37	up
5757459	7253414	1505998	SCO-spondin	Sspo	474348	1,64	down
5769129	7253414	1506002	SCO-spondin	Sspo	474348	2,09	up
5774102	7253414	1506042	SCO-spondin	Sspo	474348	1,41	up
5775665	7253414	1506068	SCO-spondin	Sspo	474348	1,08	down
5784441	7253414	1506088	SCO-spondin	Sspo	474348	1,44	down

5786545	7253414	1506065	SCO-spondin	Sspo	474348	1,01	up
5794998	7253414	1506059	SCO-spondin	Sspo	474348	1,15	up
5798856	7253414	1506079	SCO-spondin	Sspo	474348	1,23	down
5801121	7253414	1505997	SCO-spondin	Sspo	474348	1,01	up
5804169	7253414	1505993	SCO-spondin	Sspo	474348	1,12	down
5805419	7253414	1506069	SCO-spondin	Sspo	474348	1,34	down
5806457	7253414	1506035	SCO-spondin	Sspo	474348	1,02	down
5814726	7253414	1506074	SCO-spondin	Sspo	474348	1,03	down
5828423	7253414	1506010	SCO-spondin	Sspo	474348	1,29	up
5834010	7253414	1505990	SCO-spondin	Sspo	474348	1,28	up
5844352	7253414	1506048	SCO-spondin	Sspo	474348	2,01	up
5857274	7253414	1506019	SCO-spondin	Sspo	474348	1,68	up
5865317	7253414	1506081	SCO-spondin	Sspo	474348	1,57	down
5867876	7253414	1506073	SCO-spondin	Sspo	474348	1,47	down
5868754	7253414	1506062	SCO-spondin	Sspo	474348	1,17	down
5878392	7253414	1506039	SCO-spondin	Sspo	474348	1,09	up
5883162	7253414	1505991	SCO-spondin	Sspo	474348	1,03	down
5886629	7253414	1506053	SCO-spondin	Sspo	474348	1,05	up
5886646	7253414	1506029	SCO-spondin	Sspo	474348	1,06	down
5891656	7253414	1506078	SCO-spondin	Sspo	474348	1,14	down
5896876	7253414	1506000	SCO-spondin	Sspo	474348	1,19	down
5910386	7253414	1505986	SCO-spondin	Sspo	474348	1,23	down
5916620	7253414	1506055	SCO-spondin	Sspo	474348	1,05	up
5943934	7253414	1506061	SCO-spondin	Sspo	474348	1,45	up
5946233	7253414	1505996	SCO-spondin	Sspo	474348	1,42	down
5971261	7253414	1506016	SCO-spondin	Sspo	474348	1,10	down
5998348	7253414	1505989	SCO-spondin	Sspo	474348	1,28	up
6018216	7253414	1506032	SCO-spondin	Sspo	474348	2,03	down
6042580	7253414	1506050	SCO-spondin	Sspo	474348	1,19	up
6055202	7253414	1506056	SCO-spondin	Sspo	474348	1,07	up
6061920	7253414	1506082	SCO-spondin	Sspo	474348	1,85	down
6065637	7253414	1506051	SCO-spondin	Sspo	474348	1,02	up
6067840	7253414	1506039	SCO-spondin	Sspo	474348	1,11	up
6085056	7253414	1506029	SCO-spondin	Sspo	474348	1,05	up
6094488	7253414	1506064	SCO-spondin	Sspo	474348	1,05	down
6106407	7253414	1505995	SCO-spondin	Sspo	474348	1,08	up
6110185	7253414	1506045	SCO-spondin	Sspo	474348	1,06	down
6117911	7253414	1506052	SCO-spondin	Sspo	474348	1,03	up
6123339	7253414	1505999	SCO-spondin	Sspo	474348	1,30	down
6123409	7253414	1506032	SCO-spondin	Sspo	474348	1,11	up
6125469	7253414	1506044	SCO-spondin	Sspo	474348	2,23	up
6131809	7253414	1506025	SCO-spondin	Sspo	474348	1,03	down
6131982	7253414	1506021	SCO-spondin	Sspo	474348	1,11	up
6133564	7253414	1506017	SCO-spondin	Sspo	474348	1,08	up
6152111	7253414	1506021	SCO-spondin	Sspo	474348	1,18	down
6161773	7253414	1506005	SCO-spondin	Sspo	474348	1,23	up
6176318	7253414	1506060	SCO-spondin	Sspo	474348	1,37	up
6184309	7253414	1506030	SCO-spondin	Sspo	474348	1,52	up
6196112	7253414	1506077	SCO-spondin	Sspo	474348	1,06	up
6202548	7253414	1506063	SCO-spondin	Sspo	474348	1,10	down
6224915	7253414	1506027	SCO-spondin	Sspo	474348	1,28	up
6229572	7253414	1506081	SCO-spondin	Sspo	474348	1,22	up
6242144	7253414	1506049	SCO-spondin	Sspo	474348	1,11	down
6263077	7253414	1505996	SCO-spondin	Sspo	474348	1,11	down
6269326	7253414	1506004	SCO-spondin	Sspo	474348	1,43	up
6291745	7253414	1506015	SCO-spondin	Sspo	474348	1,26	down

6297574	7253414	1506020	SCO-spondin	Sspo	474348	1,12	down
6299981	7253414	1506067	SCO-spondin	Sspo	474348	1,05	up
6302962	7253414	1506006	SCO-spondin	Sspo	474348	1,08	down
6311983	7253414	1506023	SCO-spondin	Sspo	474348	1,00	up
6314126	7253414	1506069	SCO-spondin	Sspo	474348	1,72	up
6314150	7253414	1506089	SCO-spondin	Sspo	474348	1,86	up
6332173	7253414	1506043	SCO-spondin	Sspo	474348	1,37	down
6334629	7253414	1506012	SCO-spondin	Sspo	474348	1,34	up
6341127	7253414	1506038	SCO-spondin	Sspo	474348	1,74	down
6350519	7253414	1506028	SCO-spondin	Sspo	474348	1,57	up
6353248	7253414	1506054	SCO-spondin	Sspo	474348	1,13	up
6356462	7253414	1506034	SCO-spondin	Sspo	474348	1,14	down
6359320	7253414	1506066	SCO-spondin	Sspo	474348	1,07	down
6360414	7253414	1506037	SCO-spondin	Sspo	474348	1,25	up
6363837	7253414	1506077	SCO-spondin	Sspo	474348	1,18	down
6368873	7253414	1506013	SCO-spondin	Sspo	474348	2,00	down
6381099	7253414	1506077	SCO-spondin	Sspo	474348	1,12	up
6385744	7253414	1506082	SCO-spondin	Sspo	474348	1,17	up
6387105	7253414	1506080	SCO-spondin	Sspo	474348	1,06	up
6388599	7253414	1506003	SCO-spondin	Sspo	474348	1,13	up
6394868	7253414	1506063	SCO-spondin	Sspo	474348	1,08	up
6401147	7253414	1506071	SCO-spondin	Sspo	474348	1,22	down
6402741	7253414	1506046	SCO-spondin	Sspo	474348	1,13	down
6403855	7253414	1506036	SCO-spondin	Sspo	474348	1,02	up
6406578	7253414	1506034	SCO-spondin	Sspo	474348	1,90	down
6413476	7253414	1506008	SCO-spondin	Sspo	474348	1,24	up
6419269	7253414	1506047	SCO-spondin	Sspo	474348	1,04	up
6432208	7253414	1506066	SCO-spondin	Sspo	474348	1,14	down
6432273	7253414	1506057	SCO-spondin	Sspo	474348	1,60	down
6436474	7253414	1506088	SCO-spondin	Sspo	474348	1,10	down
6440693	7253414	1506042	SCO-spondin	Sspo	474348	1,19	down
6446802	7253414	1506058	SCO-spondin	Sspo	474348	1,15	up
6449472	7253414	1505994	SCO-spondin	Sspo	474348	1,19	down
6456804	7253414	1506072	SCO-spondin	Sspo	474348	1,03	up
6456880	7253414	1506086	SCO-spondin	Sspo	474348	1,09	up
6482607	7253414	1506047	SCO-spondin	Sspo	474348	1,49	down
6484235	7253414	1506022	SCO-spondin	Sspo	474348	1,16	up
6486337	7253414	1506025	SCO-spondin	Sspo	474348	1,02	up
6488511	7253414	1506085	SCO-spondin	Sspo	474348	1,05	up
6492820	7253414	1506018	SCO-spondin	Sspo	474348	1,14	up
6494904	7253414	1506026	SCO-spondin	Sspo	474348	1,24	down
6498369	7253414	1506083	SCO-spondin	Sspo	474348	1,24	up
6513085	7253414	1506089	SCO-spondin	Sspo	474348	1,04	down
6528654	7253414	1506076	SCO-spondin	Sspo	474348	1,25	down
6540817	7253414	1505988	SCO-spondin	Sspo	474348	1,62	down
6543171	7253414	1506084	SCO-spondin	Sspo	474348	1,80	up
6573675	7253414	1506070	SCO-spondin	Sspo	474348	1,03	down
6582869	7253414	1506077	SCO-spondin	Sspo	474348	1,03	up
6588528	7253414	1506040	SCO-spondin	Sspo	474348	1,56	up
6589850	7253414	1506049	SCO-spondin	Sspo	474348	1,04	down
6597196	7253414	1506009	SCO-spondin	Sspo	474348	1,00	down
6614156	7253414	1506000	SCO-spondin	Sspo	474348	1,06	down
6618057	7253414	1506033	SCO-spondin	Sspo	474348	1,25	down
6626255	7253414	1506075	SCO-spondin	Sspo	474348	1,19	up
6667164	7253414	1505992	SCO-spondin	Sspo	474348	1,15	up
6697377	7253414	1506033	SCO-spondin	Sspo	474348	1,34	up

6717576	7253414	1506011	SCO-spondin	Sspo	474348	1,22	down
6720460	7253414	1506090	SCO-spondin	Sspo	474348	1,24	down
6726465	7253414	1505989	SCO-spondin	Sspo	474348	1,65	down
6728080	7253414	1506041	SCO-spondin	Sspo	474348	1,18	up
6729376	7253414	1506066	SCO-spondin	Sspo	474348	1,47	up
6733461	7253414	1506051	SCO-spondin	Sspo	474348	1,36	down
6745655	7253414	1505987	SCO-spondin	Sspo	474348	1,46	up
5620090	7116943	1169561	SDA1 domain containing 1	Sdad1	289504	2,53	down
5668225	7116943	1169560	SDA1 domain containing 1	Sdad1	289504	1,09	down
5724595	7116943	1169562	SDA1 domain containing 1	Sdad1	289504	1,75	down
5823196	7116943	1169553	SDA1 domain containing 1	Sdad1	289504	1,11	up
5875129	7116943	1169568	SDA1 domain containing 1	Sdad1	289504	1,11	up
5916254	7116943	1169570	SDA1 domain containing 1	Sdad1	289504	1,29	down
6012378	7116943	1169569	SDA1 domain containing 1	Sdad1	289504	1,40	up
6024320	7116943	1169556	SDA1 domain containing 1	Sdad1	289504	1,28	up
6077137	7116943	1169563	SDA1 domain containing 1	Sdad1	289504	1,35	down
6125003	7116943	1169571	SDA1 domain containing 1	Sdad1	289504	1,00	down
6259395	7116943	1169564	SDA1 domain containing 1	Sdad1	289504	1,12	up
6266612	7116943	1169566	SDA1 domain containing 1	Sdad1	289504	1,45	down
6274534	7116943	1169559	SDA1 domain containing 1	Sdad1	289504	1,03	up
6291742	7116943	1169557	SDA1 domain containing 1	Sdad1	289504	1,15	up
6299797	7116943	1169565	SDA1 domain containing 1	Sdad1	289504	1,28	down
6439953	7116943	1169552	SDA1 domain containing 1	Sdad1	289504	1,10	down
6454743	7116943	1169558	SDA1 domain containing 1	Sdad1	289504	1,30	down
6562279	7116943	1169567	SDA1 domain containing 1	Sdad1	289504	1,13	down
6606799	7116943	1169555	SDA1 domain containing 1	Sdad1	289504	1,08	down
6706486	7116943	1169554	SDA1 domain containing 1	Sdad1	289504	2,11	up
6723665	7116943	1169551	SDA1 domain containing 1	Sdad1	289504	1,30	up
5799883	7127682	1195611	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	2,14	down
5813805	7127682	1195609	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,08	up
5850141	7127682	1195608	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,15	down
6035687	7127682	1195615	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,27	down
6125689	7127682	1195604	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,27	down
6196248	7127682	1195616	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,23	down
6293213	7127682	1195614	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,13	up
6299495	7127682	1195613	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,05	down
6376883	7127682	1195606	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,43	down
6480328	7127682	1195607	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,05	up
6608039	7127682	1195610	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,09	up
6643468	7127682	1195605	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,15	up
6731758	7127682	1195612	SEC14-like 2 (S. cerevisiae)	Sec14l2	116486	1,21	down
5619844	7120477	1178535	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	3,14	up
5676476	7120477	1178535	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,10	down
5770051	7120477	1178521	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,06	down
5820355	7120477	1178535	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,38	up
5821413	7120477	1178529	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,77	up
5837597	7120477	1178528	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,13	down
5966211	7120477	1178526	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,13	down
6017718	7120477	1178523	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,45	down
6035904	7120477	1178521	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,19	down
6195782	7120477	1178532	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,21	up
6219890	7120477	1178535	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,32	down
6245732	7120477	1178535	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,30	up
6348909	7120477	1178534	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,55	up
6504154	7120477	1178530	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,60	up
6560179	7120477	1178527	SEC14-like 4 (S. cerevisiae)	Sec14l4	498399	1,06	down

6644061	7120477	1178532	SEC14-like 4 (<i>S. cerevisiae</i>)	Sec14l4	498399	2,22	up
6670500	7120477	1178533	SEC14-like 4 (<i>S. cerevisiae</i>)	Sec14l4	498399	1,15	down
5655159	7236987	1465734	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,32	up
5766750	7236987	1465732	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,31	down
5795659	7236987	1465738	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,33	down
5867015	7236987	1465738	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,04	down
5937646	7236987	1465730	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,18	down
5983197	7236987	1465733	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,01	down
6158806	7236987	1465732	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,48	up
6183328	7236987	1465735	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,05	down
6264109	7236987	1465738	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,11	down
6411061	7236987	1465731	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,38	down
6465601	7236987	1465732	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,21	up
6550509	7236987	1465737	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,39	down
6581436	7236987	1465736	SEC16 homolog A (<i>S. cerevisiae</i>)	Sec16a	114089	1,13	down
5627766	7106706	1143845	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,03	down
5635090	7106706	1143832	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,01	down
5654464	7106706	1143840	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,33	down
5666188	7106706	1143849	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,38	up
5725875	7106706	1143839	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,05	up
5762219	7106706	1143848	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,49	down
5833534	7106706	1143847	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,52	down
5897170	7106706	1143834	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,74	down
5934938	7106706	1143829	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,21	up
5957700	7106706	1143844	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,16	down
5970383	7106706	1143846	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,70	down
5993160	7106706	1143853	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,18	up
5996727	7106706	1143850	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,05	up
6021938	7106706	1143852	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,12	up
6065804	7106706	1143833	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,15	up
6071160	7106706	1143831	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,17	down
6079393	7106706	1143851	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,20	up
6118666	7106706	1143845	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,14	down
6120992	7106706	1143842	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,23	up
6141525	7106706	1143853	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,60	up
6179676	7106706	1143828	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,69	down
6214218	7106706	1143830	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,43	up
6236940	7106706	1143836	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,71	down
6296684	7106706	1143828	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,22	up
6335778	7106706	1143837	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,65	up
6375497	7106706	1143838	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,09	down
6438973	7106706	1143849	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,04	down
6438974	7106706	1143843	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,27	down
6445718	7106706	1143841	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,14	up
6493014	7106706	1143852	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	2,03	down
6505255	7106706	1143845	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,56	up
6726792	7106706	1143835	SEC16 homolog B (<i>S. cerevisiae</i>)	Sec16b	89868	1,07	down
5643631	7077597	1074406	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,21	up
5759748	7077597	1074402	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,09	up
5815573	7077597	1074405	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	2,26	down
5974112	7077597	1074403	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,37	up
5997008	7077597	1074401	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,06	down
6120130	7077597	1074404	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,15	down
6130322	7077597	1074407	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,27	up
6226702	7077597	1074398	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,19	down
6551254	7077597	1074400	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,60	up

6603903	7077597	1074399	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,12	down
5677774	7357672	1763726	selenocysteine lyase	Scly	363285	1,07	down
5814257	7357672	1763728	selenocysteine lyase	Scly	363285	1,55	up
6047673	7357672	1763727	selenocysteine lyase	Scly	363285	1,30	up
6148690	7357672	1763724	selenocysteine lyase	Scly	363285	1,22	down
6298828	7357672	1763729	selenocysteine lyase	Scly	363285	1,60	down
6346016	7357672	1763718	selenocysteine lyase	Scly	363285	1,30	up
6354762	7357672	1763723	selenocysteine lyase	Scly	363285	1,48	up
6377179	7357672	1763721	selenocysteine lyase	Scly	363285	1,34	up
6411892	7357672	1763719	selenocysteine lyase	Scly	363285	1,72	down
6417685	7357672	1763717	selenocysteine lyase	Scly	363285	3,12	down
6564437	7357672	1763725	selenocysteine lyase	Scly	363285	1,19	up
6618725	7357672	1763722	selenocysteine lyase	Scly	363285	1,24	up
6737440	7357672	1763720	selenocysteine lyase	Scly	363285	1,22	down
6143650	7190182	1350177	selenoprotein P, plasma, 1	Sepp1	29360	2,39	up
6157465	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	1,56	down
6183128	7190182	1350180	selenoprotein P, plasma, 1	Sepp1	29360	1,17	down
6321169	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	1,20	up
6385863	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	1,35	down
6436620	7190182	1350179	selenoprotein P, plasma, 1	Sepp1	29360	1,19	down
6468368	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	1,46	down
6542605	7190182	1350182	selenoprotein P, plasma, 1	Sepp1	29360	1,75	up
6610814	7190182	1350178	selenoprotein P, plasma, 1	Sepp1	29360	2,15	up
6685886	7190182	1350182	selenoprotein P, plasma, 1	Sepp1	29360	1,41	up
5699702	7349944	1744902	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,25	down
5793251	7349944	1744908	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,33	down
5832953	7349944	1744900	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,05	up
5846989	7349944	1744909	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,09	down
5909496	7349944	1744911	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,43	up
5922482	7349944	1744910	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,05	up
5945307	7349944	1744924	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,83	down
5967504	7349944	1744917	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,11	up
6036324	7349944	1744924	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,16	up
6237747	7349944	1744900	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,15	down
6244219	7349944	1744901	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,23	down
6408081	7349944	1744906	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,61	up
6418768	7349944	1744922	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,26	down
6426660	7349944	1744916	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,10	down
6426845	7349944	1744915	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,05	up
6445152	7349944	1744904	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,76	up
6488093	7349944	1744918	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,11	down
6597510	7349944	1744907	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,34	down
6665290	7349944	1744922	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,23	down
6693098	7349944	1744905	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,14	down
6702587	7349944	1744912	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,13	down
6703208	7349944	1744903	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3f	315996	1,21	down
5663388	7261019	1525246	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,02	up
5688720	7261019	1525252	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,02	down
5833581	7261019	1525242	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,33	up
5873519	7261019	1525259	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,26	up
5894898	7261019	1525262	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,72	up
5914191	7261019	1525243	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,12	up
5960762	7261019	1525256	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,33	up
5973191	7261019	1525242	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,09	up
6083071	7261019	1525243	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,54	down
6102928	7261019	1525249	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,89	down

6113360	7261019	1525258	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,31	down
6124896	7261019	1525264	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,20	up
6238152	7261019	1525250	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,01	down
6238778	7261019	1525248	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,19	down
6386776	7261019	1525261	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,27	up
6467855	7261019	1525257	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,62	up
6539931	7261019	1525279	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,07	up
6541733	7261019	1525265	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,08	down
6544099	7261019	1525256	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,01	up
6638555	7261019	1525260	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3c	296787	1,01	down
5671807	7261147	1525689	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,01	up
5724815	7261147	1525710	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,34	up
5775211	7261147	1525686	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,09	up
5784665	7261147	1525674	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,51	down
5856000	7261147	1525683	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	2,15	up
5902231	7261147	1525697	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,43	up
6091343	7261147	1525701	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,56	up
6093426	7261147	1525669	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,18	down
6163728	7261147	1525676	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,55	down
6195650	7261147	1525682	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,04	up
6294744	7261147	1525675	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,35	down
6361418	7261147	1525678	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,60	down
6362270	7261147	1525681	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,15	up
6376939	7261147	1525673	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,24	down
6384868	7261147	1525685	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,22	up
6574527	7261147	1525670	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,30	down
6588478	7261147	1525701	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,01	up
6684160	7261147	1525700	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,45	down
6710563	7261147	1525670	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,00	down
6731255	7261147	1525677	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semapl	Sema3e	296789	1,63	down
5690512	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,77	down
5698100	7042382	991297	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,01	up
5731300	7042382	991298	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,10	up
5779112	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,30	up
5790042	7042382	991296	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,54	up
5814218	7042382	991290	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,03	down
5900833	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,07	down
5915474	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,12	down
5945183	7042382	991295	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,12	down
6018853	7042382	991293	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,16	up
6052299	7042382	991295	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,22	down
6187947	7042382	991294	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,78	down
6199147	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,04	down
6262529	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,22	down
6274019	7042382	991289	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,03	down
6414356	7042382	991299	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,04	down
6437159	7042382	991291	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,15	up
6474165	7042382	991289	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,35	up
6528549	7042382	991295	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,15	up
6533274	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,30	down
6607608	7042382	991291	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,18	up
6692531	7042382	991296	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,20	down
6711592	7042382	991300	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and shc	Sema4g	361764	1,28	up
5707483	7191594	1354242	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,28	down
5715592	7191594	1354167	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,31	up
5717532	7191594	1354178	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,12	up

5742478	7191594	1354247	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,25	down
5745876	7191594	1354248	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,13	up
5757096	7191594	1354231	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,13	up
5832024	7191594	1354227	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,52	up
5852243	7191594	1354236	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,34	down
5857690	7191594	1354245	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,01	down
5972542	7191594	1354216	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,23	down
5974426	7191594	1354203	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,47	down
5975270	7191594	1354243	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,00	up
5992560	7191594	1354212	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,44	down
6001644	7191594	1354215	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,06	down
6118515	7191594	1354244	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,48	down
6140547	7191594	1354232	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	2,10	up
6167085	7191594	1354226	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,55	up
6176096	7191594	1354240	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,26	down
6188982	7191594	1354236	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,54	up
6220526	7191594	1354175	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,07	down
6276790	7191594	1354242	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,09	down
6282752	7191594	1354191	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	2,05	down
6288040	7191594	1354248	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,10	up
6337211	7191594	1354232	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,30	up
6357051	7191594	1354208	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,09	down
6469817	7191594	1354193	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,20	up
6512823	7191594	1354248	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,58	down
6551822	7191594	1354207	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,16	down
6581344	7191594	1354240	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,03	down
6589730	7191594	1354247	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,81	down
6742565	7191594	1354238	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembr	Sema5a	310207	1,30	down
5643820	7232029	1452782	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,51	up
5676260	7232029	1452786	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,11	up
5683383	7232029	1452773	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,27	up
5685099	7232029	1452786	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,24	down
5689411	7232029	1452779	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,47	down
5719319	7232029	1452788	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,09	up
5736729	7232029	1452774	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,29	up
5805146	7232029	1452784	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,11	up
5884182	7232029	1452775	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,41	up
5972543	7232029	1452788	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,26	up
6034818	7232029	1452772	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,27	up
6044411	7232029	1452787	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,14	down
6092984	7232029	1452791	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,39	down
6228967	7232029	1452791	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	2,35	down
6324625	7232029	1452785	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,23	up
6451929	7232029	1452783	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,21	up
6458336	7232029	1452790	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,01	up
6631989	7232029	1452778	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,27	down
6644060	7232029	1452790	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,13	down
6651720	7232029	1452777	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,50	down
6662594	7232029	1452781	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,28	up
6709482	7232029	1452791	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphori	Sema6d	311384	1,10	up
5640684	7057471	1025889	septin 1	sept-01	293507	2,59	down
5759173	7057471	1025883	septin 1	sept-01	293507	1,14	down
5765400	7057471	1025888	septin 1	sept-01	293507	1,09	down
6003891	7057471	1025887	septin 1	sept-01	293507	1,32	up
6093554	7057471	1025882	septin 1	sept-01	293507	1,18	up
6145348	7057471	1025892	septin 1	sept-01	293507	1,23	down

6234220	7057471	1025886	septin 1	sept-01	293507	1,12	up
6276589	7057471	1025881	septin 1	sept-01	293507	1,35	up
6276818	7057471	1025884	septin 1	sept-01	293507	1,09	up
6300177	7057471	1025885	septin 1	sept-01	293507	1,25	down
6443647	7057471	1025890	septin 1	sept-01	293507	1,18	down
6471550	7057471	1025889	septin 1	sept-01	293507	1,07	down
6600756	7057471	1025891	septin 1	sept-01	293507	1,03	down
5738207	7333924	1704634	septin 7	sept-07	64551	2,16	down
5756668	7333924	1704626	septin 7	sept-07	64551	1,08	up
5778817	7333924	1704633	septin 7	sept-07	64551	1,18	down
5951948	7333924	1704634	septin 7	sept-07	64551	1,46	down
5976043	7333924	1704624	septin 7	sept-07	64551	1,15	down
6064576	7333924	1704630	septin 7	sept-07	64551	1,36	up
6117163	7333924	1704631	septin 7	sept-07	64551	1,14	down
6126084	7333924	1704632	septin 7	sept-07	64551	1,05	up
6197985	7333924	1704623	septin 7	sept-07	64551	1,03	up
6222179	7333924	1704622	septin 7	sept-07	64551	1,43	down
6224403	7333924	1704628	septin 7	sept-07	64551	1,40	up
6225149	7333924	1704624	septin 7	sept-07	64551	1,13	down
6319337	7333924	1704625	septin 7	sept-07	64551	1,10	up
6468526	7333924	1704629	septin 7	sept-07	64551	1,14	down
6613985	7333924	1704627	septin 7	sept-07	64551	1,05	down
5799905	7309966	1647492	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	1,32	up
5888693	7309966	1647496	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	1,74	down
5897162	7309966	1647493	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	1,34	up
6113808	7309966	1647495	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	1,15	up
6336950	7309966	1647494	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	1,33	up
6477145	7309966	1647494	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	1,41	down
6480872	7309966	1647496	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	1,05	up
6722773	7309966	1647496	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin	Serpina10	171154	2,17	down
5645392	7163946	1284282	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	2,42	up
5958331	7163946	1284286	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	1,11	down
5965874	7163946	1284284	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	1,53	up
6026440	7163946	1284283	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	2,00	up
6123316	7163946	1284285	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	1,35	up
6232788	7163946	1284289	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	2,44	down
6404688	7163946	1284287	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	1,23	down
6506470	7163946	1284288	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	1,21	up
6631420	7163946	1284289	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpina9	361241	2,26	down
5648312	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,06	up
5656049	7241130	1476710	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,12	up
5778451	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,02	up
5779501	7241130	1476713	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,28	up
5925737	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,02	up
6094286	7241130	1476712	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,06	down
6122375	7241130	1476709	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,04	up
6141348	7241130	1476713	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,08	up
6286391	7241130	1476707	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,58	down
6558928	7241130	1476711	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,05	up
6710711	7241130	1476714	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	2,51	down
6722232	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpina1	295703	1,20	down
5630024	7319292	1670486	serine hydrolase-like 2	Serhl2	500911	1,02	up
5672229	7319292	1670501	serine hydrolase-like 2	Serhl2	500911	1,11	up
5741173	7319292	1670483	serine hydrolase-like 2	Serhl2	500911	1,12	up
5831562	7319292	1670497	serine hydrolase-like 2	Serhl2	500911	2,17	down
5898787	7319292	1670500	serine hydrolase-like 2	Serhl2	500911	1,10	down

6002417	7319292	1670499	serine hydrolase-like 2	Serhl2	500911	1,33	up
6074387	7319292	1670497	serine hydrolase-like 2	Serhl2	500911	1,08	up
6145015	7319292	1670487	serine hydrolase-like 2	Serhl2	500911	1,18	up
6369939	7319292	1670503	serine hydrolase-like 2	Serhl2	500911	1,55	down
6442122	7319292	1670486	serine hydrolase-like 2	Serhl2	500911	1,02	down
6448128	7319292	1670495	serine hydrolase-like 2	Serhl2	500911	1,03	up
6450048	7319292	1670490	serine hydrolase-like 2	Serhl2	500911	1,53	down
6526170	7319292	1670494	serine hydrolase-like 2	Serhl2	500911	1,55	up
6549744	7319292	1670502	serine hydrolase-like 2	Serhl2	500911	2,33	down
6592282	7319292	1670489	serine hydrolase-like 2	Serhl2	500911	1,17	up
6613419	7319292	1670488	serine hydrolase-like 2	Serhl2	500911	1,00	down
6694388	7319292	1670496	serine hydrolase-like 2	Serhl2	500911	1,10	down
6736309	7319292	1670504	serine hydrolase-like 2	Serhl2	500911	1,19	up
6744237	7319292	1670498	serine hydrolase-like 2	Serhl2	500911	1,20	up
5657658	7078198	1075612	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,15	up
5684784	7078198	1075604	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,09	up
5704434	7078198	1075610	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,05	down
5899876	7078198	1075616	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,04	up
6149690	7078198	1075602	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,57	down
6182033	7078198	1075608	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,40	up
6283785	7078198	1075611	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,11	up
6283935	7078198	1075609	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,16	up
6302582	7078198	1075613	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,07	down
6306594	7078198	1075605	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,28	up
6310253	7078198	1075600	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,20	down
6346759	7078198	1075610	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,19	up
6379629	7078198	1075600	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,22	up
6425060	7078198	1075606	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,09	up
6450832	7078198	1075615	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,19	down
6532146	7078198	1075600	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,00	up
6649074	7078198	1075617	serine hydroxymethyltransferase 1 (soluble)	Shmt1	287379	1,11	down
5668121	7356333	1760496	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,42	up
5714579	7356333	1760490	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,24	down
5738866	7356333	1760504	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,25	up
5740441	7356333	1760491	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,12	up
5768993	7356333	1760497	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,23	up
5844855	7356333	1760496	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,04	up
6039494	7356333	1760498	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,48	down
6066413	7356333	1760489	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,16	down
6070161	7356333	1760505	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,45	up
6104953	7356333	1760506	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,15	up
6125518	7356333	1760507	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,15	down
6170528	7356333	1760506	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,63	up
6188782	7356333	1760492	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,10	up
6191544	7356333	1760486	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,47	up
6264703	7356333	1760501	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,01	up
6273519	7356333	1760502	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,07	down
6323805	7356333	1760498	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,44	down
6353710	7356333	1760503	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,18	up
6418438	7356333	1760483	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,09	up
6449950	7356333	1760482	serine/threonine kinase 11 interacting protein	Stk11ip	301535	2,23	down
6486369	7356333	1760485	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,51	up
6535738	7356333	1760487	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,13	up
6552560	7356333	1760506	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,06	down
6560644	7356333	1760495	serine/threonine kinase 11 interacting protein	Stk11ip	301535	2,22	up
6569623	7356333	1760498	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,02	down

6584963	7356333	1760495	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,07	down
6594273	7356333	1760488	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,30	up
6609152	7356333	1760484	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,10	up
6629352	7356333	1760493	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,48	up
5978580	7377583	1815446	serine/threonine protein kinase MST4	Mst4	317589	1,69	up
6209518	7377583	1815445	serine/threonine protein kinase MST4	Mst4	317589	1,53	up
6370086	7377583	1815445	serine/threonine protein kinase MST4	Mst4	317589	1,59	up
6391069	7377583	1815463	serine/threonine protein kinase MST4	Mst4	317589	1,16	up
6490944	7377583	1815445	serine/threonine protein kinase MST4	Mst4	317589	2,09	up
5624943	7108170	1147576	serologically defined colon cancer antigen 8	Sdccag8	305002	1,09	up
5686519	7108170	1147580	serologically defined colon cancer antigen 8	Sdccag8	305002	1,14	down
5694223	7108170	1147570	serologically defined colon cancer antigen 8	Sdccag8	305002	1,70	down
5731331	7108170	1147566	serologically defined colon cancer antigen 8	Sdccag8	305002	1,03	up
5733643	7108170	1147563	serologically defined colon cancer antigen 8	Sdccag8	305002	2,04	up
5771535	7108170	1147571	serologically defined colon cancer antigen 8	Sdccag8	305002	1,17	up
5881161	7108170	1147567	serologically defined colon cancer antigen 8	Sdccag8	305002	1,29	down
5900397	7108170	1147574	serologically defined colon cancer antigen 8	Sdccag8	305002	1,27	down
5922295	7108170	1147568	serologically defined colon cancer antigen 8	Sdccag8	305002	1,55	down
6055541	7108170	1147580	serologically defined colon cancer antigen 8	Sdccag8	305002	1,23	down
6074343	7108170	1147564	serologically defined colon cancer antigen 8	Sdccag8	305002	1,35	down
6167375	7108170	1147579	serologically defined colon cancer antigen 8	Sdccag8	305002	1,06	up
6350719	7108170	1147578	serologically defined colon cancer antigen 8	Sdccag8	305002	1,02	up
6369658	7108170	1147575	serologically defined colon cancer antigen 8	Sdccag8	305002	1,73	down
6403727	7108170	1147565	serologically defined colon cancer antigen 8	Sdccag8	305002	1,13	up
6438287	7108170	1147569	serologically defined colon cancer antigen 8	Sdccag8	305002	1,32	down
6443894	7108170	1147573	serologically defined colon cancer antigen 8	Sdccag8	305002	1,14	down
6458512	7108170	1147563	serologically defined colon cancer antigen 8	Sdccag8	305002	1,44	down
6483043	7108170	1147572	serologically defined colon cancer antigen 8	Sdccag8	305002	1,16	up
6503715	7108170	1147571	serologically defined colon cancer antigen 8	Sdccag8	305002	2,08	up
6567626	7108170	1147577	serologically defined colon cancer antigen 8	Sdccag8	305002	1,04	down
5702396	7351949	1749811	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,05	down
5802820	7351949	1749805	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,43	up
5811999	7351949	1749805	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,23	up
5933489	7351949	1749804	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,65	down
6008665	7351949	1749804	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	2,06	down
6129257	7351949	1749810	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,41	up
6377426	7351949	1749807	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,23	up
6404261	7351949	1749811	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,04	down
6426466	7351949	1749809	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,16	up
6554065	7351949	1749806	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,51	up
6616889	7351949	1749808	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,13	up
6631699	7351949	1749809	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,15	up
5804909	7177520	1318660	SET binding protein 1	Setbp1	291423	1,04	up
5853553	7177520	1318660	SET binding protein 1	Setbp1	291423	1,02	down
6351301	7177520	1318660	SET binding protein 1	Setbp1	291423	1,07	up
6670307	7177520	1318660	SET binding protein 1	Setbp1	291423	1,08	up
6717376	7177520	1318660	SET binding protein 1	Setbp1	291423	1,67	down
5673183	7133749	1210800	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,43	up
5834989	7133749	1210816	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,21	up
5864001	7133749	1210818	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,01	up
5886377	7133749	1210809	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,12	down
6014464	7133749	1210806	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,29	up
6042517	7133749	1210814	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,64	up
6079869	7133749	1210816	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,39	down
6082296	7133749	1210818	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,13	up
6207660	7133749	1210801	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Sugt1	290408	1,66	down

6208992	7133749	1210812	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,04	up
6230602	7133749	1210818	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,14	down
6388110	7133749	1210811	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,44	down
6529156	7133749	1210800	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,39	down
6580842	7133749	1210802	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,04	up
6606065	7133749	1210805	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	2,38	up
6671988	7133749	1210803	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,08	down
5644332	7038746	982533	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	3,10	up
5731858	7038746	982521	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,02	up
5753746	7038746	982536	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,64	down
5760013	7038746	982528	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,01	up
5865065	7038746	982518	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,59	up
5943273	7038746	982519	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,18	up
5966618	7038746	982523	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,38	up
5976638	7038746	982533	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,54	down
6004920	7038746	982526	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,13	down
6054667	7038746	982532	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,14	down
6130839	7038746	982531	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,05	down
6134246	7038746	982517	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,79	up
6198374	7038746	982528	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,69	down
6229716	7038746	982520	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,57	up
6237814	7038746	982535	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,65	down
6251076	7038746	982524	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,20	up
6257886	7038746	982516	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,10	up
6261933	7038746	982525	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,76	up
6358693	7038746	982524	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,20	down
6361923	7038746	982524	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,35	down
6385546	7038746	982534	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,44	up
6420823	7038746	982530	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,16	down
6433242	7038746	982521	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,03	up
6474327	7038746	982523	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,44	down
6512547	7038746	982527	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,43	up
6520443	7038746	982528	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,29	down
6550457	7038746	982529	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,54	down
6573299	7038746	982522	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,67	up
6648994	7038746	982515	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,89	up
5692471	7319807	1671987	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,46	down
5708429	7319807	1671972	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,54	up
5816673	7319807	1671984	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,51	down
5900862	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,52	down
5907632	7319807	1671968	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,77	up
5955507	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,38	down
5976703	7319807	1671967	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,08	down
5977518	7319807	1671975	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	2,11	down
6025117	7319807	1671973	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,06	up
6118011	7319807	1671971	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,25	up
6158632	7319807	1671966	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,05	up
6193146	7319807	1671977	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,17	up
6220969	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,29	up
6226831	7319807	1671985	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,49	down
6227162	7319807	1671982	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,80	down
6271481	7319807	1671981	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,13	down
6289695	7319807	1671985	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,47	up
6303761	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,22	down
6303967	7319807	1671986	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,18	up
6326952	7319807	1671966	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,25	up

6363847	7319807	1671970	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,26	down
6401271	7319807	1671989	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,25	down
6403791	7319807	1671975	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,14	up
6436944	7319807	1671978	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,46	down
6458077	7319807	1671989	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,12	up
6514351	7319807	1671991	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	2,32	down
6530907	7319807	1671988	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,27	down
6583400	7319807	1671986	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,24	down
6680023	7319807	1671976	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,00	down
6691204	7319807	1671976	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,22	up
6719968	7319807	1671983	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,90	down
6723749	7319807	1671979	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	2,02	up
6737415	7319807	1671974	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,21	up
6738153	7319807	1671969	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,09	down
6743150	7319807	1671980	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,10	up
5892082	7127257	1194799	SH3-domain binding protein 2	Sh3bp2	305450	1,20	up
6154842	7127257	1194797	SH3-domain binding protein 2	Sh3bp2	305450	1,54	down
6218710	7127257	1194798	SH3-domain binding protein 2	Sh3bp2	305450	1,13	up
6564505	7127257	1194821	SH3-domain binding protein 2	Sh3bp2	305450	1,07	down
5633353	7277783	1567420	SH3-domain GRB2-like (endophilin) interacting protein 1	Sgip1	313413	3,65	down
5762455	7276762	1564510	SH3-domain GRB2-like 2	Sh3gl2	116743	2,07	up
6027390	7276762	1564505	SH3-domain GRB2-like 2	Sh3gl2	116743	1,05	up
6156254	7276762	1564509	SH3-domain GRB2-like 2	Sh3gl2	116743	1,03	down
6702229	7276762	1564507	SH3-domain GRB2-like 2	Sh3gl2	116743	1,02	down
6710873	7276762	1564511	SH3-domain GRB2-like 2	Sh3gl2	116743	2,00	down
6726019	7276762	1564504	SH3-domain GRB2-like 2	Sh3gl2	116743	1,46	up
5712938	7244288	1484135	SHC (Src homology 2 domain containing) family, member 4	Shc4	679845	1,64	down
6547323	7244288	1484135	SHC (Src homology 2 domain containing) family, member 4	Shc4	679845	1,68	down
5630404	7312627	1653487	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	2,09	up
5781665	7312627	1653472	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,04	up
5800344	7312627	1653491	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	2,25	up
5846223	7312627	1653472	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,03	down
5872599	7312627	1653481	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,32	down
5980003	7312627	1653482	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,42	up
6125565	7312627	1653492	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,32	down
6140747	7312627	1653487	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,32	down
6147674	7312627	1653479	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,18	up
6188203	7312627	1653484	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,11	up
6207432	7312627	1653472	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,03	down
6361030	7312627	1653483	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,01	down
6602457	7312627	1653476	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	1,10	up
6671458	7312627	1653477	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,05	down
6714209	7312627	1653480	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,85	down
5650238	7155882	1265383	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,18	down
5795918	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,68	up
5872695	7155882	1265379	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,37	down
5890880	7155882	1265382	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,18	down
5948920	7155882	1265378	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,08	down
6363190	7155882	1265374	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,09	down
6365710	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	2,03	up
6401000	7155882	1265377	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,06	down
6518920	7155882	1265382	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,12	down
6544456	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,10	up
6578493	7155882	1265371	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,04	up
6582121	7155882	1265372	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,02	up

6629014	7155882	1265375	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,24	down
6687642	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,17	up
6697177	7155882	1265373	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,12	down
6732561	7155882	1265380	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,28	down
6742135	7155882	1265368	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,17	down
5685926	7088135	1098394	SID1 transmembrane family, member 1	Sidt1	288109	1,16	up
5691069	7088135	1098406	SID1 transmembrane family, member 1	Sidt1	288109	1,06	down
5717720	7088135	1098397	SID1 transmembrane family, member 1	Sidt1	288109	1,17	up
5735427	7088135	1098415	SID1 transmembrane family, member 1	Sidt1	288109	1,37	up
5779151	7088135	1098409	SID1 transmembrane family, member 1	Sidt1	288109	1,47	up
5811696	7088135	1098416	SID1 transmembrane family, member 1	Sidt1	288109	1,10	down
5825925	7088135	1098419	SID1 transmembrane family, member 1	Sidt1	288109	2,29	down
5916520	7088135	1098384	SID1 transmembrane family, member 1	Sidt1	288109	1,43	down
5948615	7088135	1098408	SID1 transmembrane family, member 1	Sidt1	288109	1,52	down
6044978	7088135	1098391	SID1 transmembrane family, member 1	Sidt1	288109	1,13	down
6046245	7088135	1098396	SID1 transmembrane family, member 1	Sidt1	288109	1,24	down
6125115	7088135	1098410	SID1 transmembrane family, member 1	Sidt1	288109	1,16	up
6147959	7088135	1098413	SID1 transmembrane family, member 1	Sidt1	288109	1,39	up
6220259	7088135	1098411	SID1 transmembrane family, member 1	Sidt1	288109	2,29	up
6227817	7088135	1098417	SID1 transmembrane family, member 1	Sidt1	288109	1,10	up
6397598	7088135	1098407	SID1 transmembrane family, member 1	Sidt1	288109	1,26	down
6412756	7088135	1098404	SID1 transmembrane family, member 1	Sidt1	288109	1,03	up
6427850	7088135	1098399	SID1 transmembrane family, member 1	Sidt1	288109	1,14	down
6443855	7088135	1098392	SID1 transmembrane family, member 1	Sidt1	288109	1,25	up
6445376	7088135	1098414	SID1 transmembrane family, member 1	Sidt1	288109	1,77	up
6575206	7088135	1098395	SID1 transmembrane family, member 1	Sidt1	288109	1,80	up
6575211	7088135	1098398	SID1 transmembrane family, member 1	Sidt1	288109	1,03	down
6709709	7088135	1098401	SID1 transmembrane family, member 1	Sidt1	288109	1,68	up
6741178	7088135	1098405	SID1 transmembrane family, member 1	Sidt1	288109	1,43	down
5625151	7084193	1089055	sidekick homolog 2 (chicken)	Sdk2	360652	1,84	down
5627490	7084193	1089054	sidekick homolog 2 (chicken)	Sdk2	360652	1,21	down
5657980	7084193	1089056	sidekick homolog 2 (chicken)	Sdk2	360652	1,02	up
5661719	7084193	1089068	sidekick homolog 2 (chicken)	Sdk2	360652	1,01	up
5738867	7084193	1089061	sidekick homolog 2 (chicken)	Sdk2	360652	1,39	up
5741430	7084193	1089104	sidekick homolog 2 (chicken)	Sdk2	360652	1,24	up
5784001	7084193	1089155	sidekick homolog 2 (chicken)	Sdk2	360652	1,40	down
5787745	7084193	1089078	sidekick homolog 2 (chicken)	Sdk2	360652	1,74	down
5822362	7084193	1089101	sidekick homolog 2 (chicken)	Sdk2	360652	1,02	up
5827723	7084193	1089087	sidekick homolog 2 (chicken)	Sdk2	360652	1,01	down
5833279	7084193	1089154	sidekick homolog 2 (chicken)	Sdk2	360652	1,49	down
5871972	7084193	1089049	sidekick homolog 2 (chicken)	Sdk2	360652	1,34	down
5894330	7084193	1089113	sidekick homolog 2 (chicken)	Sdk2	360652	1,99	down
5895234	7084193	1089100	sidekick homolog 2 (chicken)	Sdk2	360652	1,32	down
5917109	7084193	1089103	sidekick homolog 2 (chicken)	Sdk2	360652	1,11	down
5980142	7084193	1089085	sidekick homolog 2 (chicken)	Sdk2	360652	1,11	down
6030525	7084193	1089092	sidekick homolog 2 (chicken)	Sdk2	360652	1,28	up
6044701	7084193	1089074	sidekick homolog 2 (chicken)	Sdk2	360652	1,65	up
6111846	7084193	1089091	sidekick homolog 2 (chicken)	Sdk2	360652	1,73	down
6116310	7084193	1089065	sidekick homolog 2 (chicken)	Sdk2	360652	1,04	down
6144137	7084193	1089083	sidekick homolog 2 (chicken)	Sdk2	360652	1,45	up
6145942	7084193	1089126	sidekick homolog 2 (chicken)	Sdk2	360652	1,90	down
6153348	7084193	1089089	sidekick homolog 2 (chicken)	Sdk2	360652	1,10	up
6164420	7084193	1089074	sidekick homolog 2 (chicken)	Sdk2	360652	1,44	down
6194957	7084193	1089069	sidekick homolog 2 (chicken)	Sdk2	360652	1,23	down
6229428	7084193	1089055	sidekick homolog 2 (chicken)	Sdk2	360652	1,16	down
6238698	7084193	1089082	sidekick homolog 2 (chicken)	Sdk2	360652	1,04	up

6240056	7084193	1089097	sidekick homolog 2 (chicken)	Sdk2	360652	1,70	up
6267685	7084193	1089093	sidekick homolog 2 (chicken)	Sdk2	360652	1,02	up
6292806	7084193	1089064	sidekick homolog 2 (chicken)	Sdk2	360652	1,22	down
6322618	7084193	1089079	sidekick homolog 2 (chicken)	Sdk2	360652	1,04	down
6329613	7084193	1089080	sidekick homolog 2 (chicken)	Sdk2	360652	1,16	down
6389832	7084193	1089094	sidekick homolog 2 (chicken)	Sdk2	360652	1,04	down
6427045	7084193	1089072	sidekick homolog 2 (chicken)	Sdk2	360652	1,40	up
6429762	7084193	1089117	sidekick homolog 2 (chicken)	Sdk2	360652	2,57	down
6474889	7084193	1089073	sidekick homolog 2 (chicken)	Sdk2	360652	1,34	down
6486987	7084193	1089086	sidekick homolog 2 (chicken)	Sdk2	360652	1,16	up
6500099	7084193	1089075	sidekick homolog 2 (chicken)	Sdk2	360652	1,13	up
6535760	7084193	1089090	sidekick homolog 2 (chicken)	Sdk2	360652	1,65	down
6536011	7084193	1089102	sidekick homolog 2 (chicken)	Sdk2	360652	1,61	down
6541625	7084193	1089076	sidekick homolog 2 (chicken)	Sdk2	360652	1,54	up
6569975	7084193	1089066	sidekick homolog 2 (chicken)	Sdk2	360652	1,23	down
6615980	7084193	1089108	sidekick homolog 2 (chicken)	Sdk2	360652	1,35	up
6617478	7084193	1089049	sidekick homolog 2 (chicken)	Sdk2	360652	1,40	up
6661862	7084193	1089071	sidekick homolog 2 (chicken)	Sdk2	360652	1,46	down
6664861	7084193	1089098	sidekick homolog 2 (chicken)	Sdk2	360652	1,12	down
6741188	7084193	1089098	sidekick homolog 2 (chicken)	Sdk2	360652	1,66	up
6743549	7084193	1089084	sidekick homolog 2 (chicken)	Sdk2	360652	1,58	down
6168779	7102976	1135044	signal peptide peptidase 3	Spp13	360822	1,07	down
5645847	7156763	1267746	signal sequence receptor, alpha	Ssr1	361233	1,26	up
5704974	7156763	1267748	signal sequence receptor, alpha	Ssr1	361233	1,14	up
5720643	7156763	1267747	signal sequence receptor, alpha	Ssr1	361233	1,31	up
5848546	7156763	1267753	signal sequence receptor, alpha	Ssr1	361233	1,16	down
6130612	7156763	1267750	signal sequence receptor, alpha	Ssr1	361233	1,00	down
6250430	7156763	1267752	signal sequence receptor, alpha	Ssr1	361233	1,05	up
6290559	7156763	1267749	signal sequence receptor, alpha	Ssr1	361233	1,12	up
6726397	7156763	1267751	signal sequence receptor, alpha	Ssr1	361233	1,03	down
5643283	7311784	1651686	signal transducer and activator of transcription 2	Stat2	288774	1,23	down
5677859	7311784	1651670	signal transducer and activator of transcription 2	Stat2	288774	1,14	down
5764603	7311784	1651687	signal transducer and activator of transcription 2	Stat2	288774	1,06	up
5847482	7311784	1651683	signal transducer and activator of transcription 2	Stat2	288774	1,12	up
5881934	7311784	1651674	signal transducer and activator of transcription 2	Stat2	288774	1,05	up
5912161	7311784	1651672	signal transducer and activator of transcription 2	Stat2	288774	1,06	up
5919286	7311784	1651682	signal transducer and activator of transcription 2	Stat2	288774	1,24	up
6061091	7311784	1651675	signal transducer and activator of transcription 2	Stat2	288774	1,16	up
6065734	7311784	1651668	signal transducer and activator of transcription 2	Stat2	288774	3,94	down
6072783	7311784	1651664	signal transducer and activator of transcription 2	Stat2	288774	1,11	up
6075010	7311784	1651679	signal transducer and activator of transcription 2	Stat2	288774	1,10	up
6077938	7311784	1651680	signal transducer and activator of transcription 2	Stat2	288774	1,34	up
6106429	7311784	1651678	signal transducer and activator of transcription 2	Stat2	288774	1,12	up
6137926	7311784	1651665	signal transducer and activator of transcription 2	Stat2	288774	1,15	up
6204435	7311784	1651669	signal transducer and activator of transcription 2	Stat2	288774	1,97	up
6273787	7311784	1651673	signal transducer and activator of transcription 2	Stat2	288774	1,20	down
6371930	7311784	1651676	signal transducer and activator of transcription 2	Stat2	288774	1,83	down
6414474	7311784	1651681	signal transducer and activator of transcription 2	Stat2	288774	1,03	down
6427593	7311784	1651677	signal transducer and activator of transcription 2	Stat2	288774	1,30	up
6450110	7311784	1651667	signal transducer and activator of transcription 2	Stat2	288774	1,38	up
6473479	7311784	1651685	signal transducer and activator of transcription 2	Stat2	288774	1,57	down
6549303	7311784	1651671	signal transducer and activator of transcription 2	Stat2	288774	1,15	down
6568266	7311784	1651666	signal transducer and activator of transcription 2	Stat2	288774	1,49	up
6745539	7311784	1651684	signal transducer and activator of transcription 2	Stat2	288774	1,49	down
5658612	7082775	1085645	signal transducer and activator of transcription 3	Stat3	25125	1,19	down
5697002	7082775	1085642	signal transducer and activator of transcription 3	Stat3	25125	1,25	down

5818860	7082775	1085641	signal transducer and activator of transcription 3	Stat3	25125	1,22	up
5845715	7082775	1085649	signal transducer and activator of transcription 3	Stat3	25125	1,01	up
5862208	7082775	1085631	signal transducer and activator of transcription 3	Stat3	25125	1,09	up
5895490	7082775	1085635	signal transducer and activator of transcription 3	Stat3	25125	1,11	down
5965620	7082775	1085651	signal transducer and activator of transcription 3	Stat3	25125	2,28	up
6004312	7082775	1085637	signal transducer and activator of transcription 3	Stat3	25125	1,06	down
6057185	7082775	1085654	signal transducer and activator of transcription 3	Stat3	25125	1,48	up
6072088	7082775	1085638	signal transducer and activator of transcription 3	Stat3	25125	1,08	down
6095813	7082775	1085639	signal transducer and activator of transcription 3	Stat3	25125	1,08	down
6120614	7082775	1085647	signal transducer and activator of transcription 3	Stat3	25125	1,05	up
6151646	7082775	1085633	signal transducer and activator of transcription 3	Stat3	25125	1,02	up
6299125	7082775	1085633	signal transducer and activator of transcription 3	Stat3	25125	1,04	down
6445188	7082775	1085632	signal transducer and activator of transcription 3	Stat3	25125	1,06	up
6474533	7082775	1085648	signal transducer and activator of transcription 3	Stat3	25125	1,15	up
6499876	7082775	1085640	signal transducer and activator of transcription 3	Stat3	25125	1,01	down
6560310	7082775	1085652	signal transducer and activator of transcription 3	Stat3	25125	1,22	up
6566097	7082775	1085636	signal transducer and activator of transcription 3	Stat3	25125	1,01	down
6577375	7082775	1085634	signal transducer and activator of transcription 3	Stat3	25125	1,27	down
6628532	7082775	1085653	signal transducer and activator of transcription 3	Stat3	25125	1,03	up
6642802	7082775	1085644	signal transducer and activator of transcription 3	Stat3	25125	1,02	down
6699796	7082775	1085650	signal transducer and activator of transcription 3	Stat3	25125	1,07	up
6704922	7082775	1085643	signal transducer and activator of transcription 3	Stat3	25125	1,03	down
6730579	7082775	1085646	signal transducer and activator of transcription 3	Stat3	25125	1,16	down
5653662	7368006	1789345	signal transducing adaptor family member 2	Stap2	363334	1,16	up
5706069	7368006	1789356	signal transducing adaptor family member 2	Stap2	363334	2,30	up
5711130	7368006	1789359	signal transducing adaptor family member 2	Stap2	363334	1,03	up
5868937	7368006	1789350	signal transducing adaptor family member 2	Stap2	363334	1,46	up
5869071	7368006	1789356	signal transducing adaptor family member 2	Stap2	363334	1,30	down
5926534	7368006	1789359	signal transducing adaptor family member 2	Stap2	363334	1,39	down
5970204	7368006	1789354	signal transducing adaptor family member 2	Stap2	363334	2,87	up
6009550	7368006	1789358	signal transducing adaptor family member 2	Stap2	363334	1,01	up
6017039	7368006	1789351	signal transducing adaptor family member 2	Stap2	363334	1,21	down
6510023	7368006	1789356	signal transducing adaptor family member 2	Stap2	363334	1,50	down
6545702	7368006	1789350	signal transducing adaptor family member 2	Stap2	363334	1,00	down
6626383	7368006	1789348	signal transducing adaptor family member 2	Stap2	363334	1,32	up
6670458	7368006	1789349	signal transducing adaptor family member 2	Stap2	363334	1,06	down
5633646	7160402	1276144	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,05	down
5638115	7160402	1276151	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,06	up
5678448	7160402	1276150	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,31	up
5709698	7160402	1276148	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,29	up
5723768	7160402	1276154	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,18	down
5843867	7160402	1276155	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,41	up
5900658	7160402	1276159	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,04	down
6222690	7160402	1276149	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,17	down
6319376	7160402	1276153	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,03	up
6392624	7160402	1276141	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,03	down
6417992	7160402	1276146	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,02	up
6436549	7160402	1276147	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,05	up
6584463	7160402	1276152	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,09	down
6619413	7160402	1276145	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Stam	498798	1,07	up
5623371	7186663	1341803	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,32	up
5754509	7186663	1341804	signal-induced proliferation-associated 1 like 2	Sipa112	361442	2,71	up
5761172	7186663	1341812	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,69	up
5777120	7186663	1341793	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,13	up
5804046	7186663	1341806	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,24	up
5808691	7186663	1341807	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,61	up

5816098	7186663	1341791	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,73	down
5842503	7186663	1341789	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,06	down
5862121	7186663	1341797	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,13	up
5905146	7186663	1341802	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,51	down
5985042	7186663	1341795	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,44	down
5987455	7186663	1341809	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,42	up
5994233	7186663	1341810	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,03	up
6065758	7186663	1341808	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,10	down
6082495	7186663	1341790	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,09	up
6114605	7186663	1341794	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,20	down
6124110	7186663	1341800	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,18	down
6137110	7186663	1341801	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,12	up
6151142	7186663	1341789	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,12	up
6163759	7186663	1341792	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,30	up
6212575	7186663	1341796	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,02	up
6267487	7186663	1341797	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,23	down
6317876	7186663	1341811	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,15	down
6403761	7186663	1341804	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,17	down
6408155	7186663	1341795	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,67	up
6426108	7186663	1341801	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,33	down
6518650	7186663	1341798	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,02	up
6546367	7186663	1341799	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,11	down
6696731	7186663	1341810	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,49	up
6705556	7186663	1341805	signal-induced proliferation-associated 1 like 2	Sipa112	361442	1,22	down
5624574	7341546	1723958	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,04	up
5625930	7341546	1723958	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,21	up
5668215	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,43	down
5739300	7341546	1723973	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,24	up
5740117	7341546	1723977	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,15	up
5840928	7341546	1723978	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,17	down
5844348	7341546	1723963	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,05	up
5907578	7341546	1723965	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,14	up
5940304	7341546	1723978	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,17	up
5966991	7341546	1723968	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,12	up
6106338	7341546	1723961	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,26	down
6162686	7341546	1723972	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,20	up
6166034	7341546	1723964	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,05	up
6217319	7341546	1723971	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,11	up
6225195	7341546	1723978	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,41	down
6225824	7341546	1723975	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,09	down
6249227	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,12	down
6343272	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,28	up
6503878	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,08	down
6507339	7341546	1723969	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,20	up
6526013	7341546	1723947	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,15	up
6619372	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,17	down
6723106	7341546	1723967	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,20	up
5679235	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,09	down
5714098	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,20	up
6045016	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,15	down
6160902	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,30	up
6269327	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	2,16	down
6371277	7139708	1225053	similar to 2610301G19Rik protein	RGD1309922	306007	1,05	down
6455454	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,12	down
6506578	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,12	down
5680597	7273881	1557310	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	1,20	up

5851262	7273881	1557308	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	1,30	up
5892928	7273881	1557306	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	1,13	down
5961994	7273881	1557310	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	1,55	up
6030884	7273881	1557312	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	2,04	down
6474419	7273881	1557311	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	1,28	down
6484552	7273881	1557313	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	1,04	down
6678810	7273881	1557312	similar to 35 kDa SR repressor protein (SRrp35)	RGD1561162	297962	1,12	up
5702184	7350837	1746973	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,16	down
5831939	7350837	1746975	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,04	up
5984833	7350837	1746971	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,08	up
6002164	7350837	1746981	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,27	up
6103450	7350837	1746974	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,20	down
6156704	7350837	1746977	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,20	down
6174563	7350837	1746976	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,31	up
6246125	7350837	1746972	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	2,68	down
6329594	7350837	1746969	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,15	down
6378487	7350837	1746980	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,71	up
6427122	7350837	1746970	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,09	down
6477183	7350837	1746979	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,14	down
6602105	7350837	1746978	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,41	up
5687196	7374315	1807391	similar to 4930453N24Rik protein	MGC95208	304176	1,46	up
6117421	7374315	1807391	similar to 4930453N24Rik protein	MGC95208	304176	1,18	down
6459674	7374315	1807392	similar to 4930453N24Rik protein	MGC95208	304176	2,33	up
6583941	7374315	1807391	similar to 4930453N24Rik protein	MGC95208	304176	1,22	down
5691314	7064224	1041787	similar to 4930506M07Rik protein	RGD1311558	292139	1,29	down
5744776	7064224	1041784	similar to 4930506M07Rik protein	RGD1311558	292139	1,03	down
5894972	7064224	1041801	similar to 4930506M07Rik protein	RGD1311558	292139	1,34	down
5937875	7064224	1041775	similar to 4930506M07Rik protein	RGD1311558	292139	1,17	up
5946596	7064224	1041771	similar to 4930506M07Rik protein	RGD1311558	292139	1,29	up
5974282	7064224	1041794	similar to 4930506M07Rik protein	RGD1311558	292139	2,39	down
5986076	7064224	1041789	similar to 4930506M07Rik protein	RGD1311558	292139	1,24	up
5989916	7064224	1041778	similar to 4930506M07Rik protein	RGD1311558	292139	1,14	up
6026502	7064224	1041805	similar to 4930506M07Rik protein	RGD1311558	292139	1,58	up
6138206	7064224	1041790	similar to 4930506M07Rik protein	RGD1311558	292139	1,55	up
6261390	7064224	1041777	similar to 4930506M07Rik protein	RGD1311558	292139	1,21	up
6264127	7064224	1041783	similar to 4930506M07Rik protein	RGD1311558	292139	1,27	up
6265400	7064224	1041771	similar to 4930506M07Rik protein	RGD1311558	292139	1,04	up
6367327	7064224	1041791	similar to 4930506M07Rik protein	RGD1311558	292139	1,38	down
6449208	7064224	1041785	similar to 4930506M07Rik protein	RGD1311558	292139	1,20	up
6462105	7064224	1041782	similar to 4930506M07Rik protein	RGD1311558	292139	1,02	down
6663499	7064224	1041786	similar to 4930506M07Rik protein	RGD1311558	292139	1,24	up
5737788	7031618	964198	similar to 5E5 antigen	LOC691056	691056	1,39	down
5743827	7031618	964195	similar to 5E5 antigen	LOC691056	691056	1,03	up
5746762	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,07	down
5889202	7031618	964196	similar to 5E5 antigen	LOC691056	691056	1,01	up
5908204	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,08	up
5989569	7031618	964189	similar to 5E5 antigen	LOC691056	691056	1,91	up
6067525	7031618	964190	similar to 5E5 antigen	LOC691056	691056	1,02	down
6082314	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,29	up
6237579	7031618	964194	similar to 5E5 antigen	LOC691056	691056	1,52	down
6352102	7031618	964188	similar to 5E5 antigen	LOC691056	691056	1,31	down
6395869	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,03	up
6425508	7031618	964193	similar to 5E5 antigen	LOC691056	691056	2,11	down
6468680	7031618	964191	similar to 5E5 antigen	LOC691056	691056	1,89	down
6546934	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,18	down
6663919	7031618	964191	similar to 5E5 antigen	LOC691056	691056	1,11	down

6701149	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,56	up
6743332	7031618	964192	similar to 5E5 antigen	LOC691056	691056	1,29	down
5645407	7055354	1021374	similar to 9230105E10Rik protein	RGD1304579	308906	1,05	up
5649001	7055354	1021375	similar to 9230105E10Rik protein	RGD1304579	308906	1,64	down
5663984	7055354	1021371	similar to 9230105E10Rik protein	RGD1304579	308906	2,45	down
5942240	7055354	1021369	similar to 9230105E10Rik protein	RGD1304579	308906	1,01	up
6125847	7055354	1021368	similar to 9230105E10Rik protein	RGD1304579	308906	1,19	down
6264249	7055354	1021370	similar to 9230105E10Rik protein	RGD1304579	308906	1,22	up
6295813	7055354	1021373	similar to 9230105E10Rik protein	RGD1304579	308906	1,09	up
6343048	7055354	1021372	similar to 9230105E10Rik protein	RGD1304579	308906	1,00	up
6491563	7055354	1021374	similar to 9230105E10Rik protein	RGD1304579	308906	1,69	up
6008769	7108345	1148086	similar to 9630058J23Rik protein	RGD1564833	498297	1,18	up
6084452	7108345	1148063	similar to 9630058J23Rik protein	RGD1564833	498297	1,16	up
6384910	7108345	1148086	similar to 9630058J23Rik protein	RGD1564833	498297	1,08	down
6537115	7108345	1148086	similar to 9630058J23Rik protein	RGD1564833	498297	1,59	down
5682104	7139709	1225070	similar to 9930012K11Rik protein	RGD1308117	361066	1,18	up
5757868	7139709	1225071	similar to 9930012K11Rik protein	RGD1308117	361066	1,25	down
5858963	7139709	1225077	similar to 9930012K11Rik protein	RGD1308117	361066	1,00	up
6021377	7139709	1225075	similar to 9930012K11Rik protein	RGD1308117	361066	1,39	up
6022671	7139709	1225072	similar to 9930012K11Rik protein	RGD1308117	361066	1,35	down
6027641	7139709	1225075	similar to 9930012K11Rik protein	RGD1308117	361066	1,05	up
6119734	7139709	1225074	similar to 9930012K11Rik protein	RGD1308117	361066	1,27	up
6341116	7139709	1225075	similar to 9930012K11Rik protein	RGD1308117	361066	1,48	down
6348565	7139709	1225074	similar to 9930012K11Rik protein	RGD1308117	361066	1,05	up
6546644	7139709	1225073	similar to 9930012K11Rik protein	RGD1308117	361066	2,33	down
6627789	7139709	1225070	similar to 9930012K11Rik protein	RGD1308117	361066	1,05	up
6184448	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	1,71	up
6263162	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	1,07	down
6687211	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	1,01	up
6701491	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	2,02	down
5635317	7351333	1748159	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (A	LOC367196	367196	1,15	down
5702351	7351333	1748156	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (A	LOC367196	367196	2,54	up
5947875	7351333	1748156	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (A	LOC367196	367196	1,25	up
6115638	7351333	1748160	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (A	LOC367196	367196	1,35	down
6197210	7351333	1748158	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (A	LOC367196	367196	1,00	down
6400050	7351333	1748157	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (A	LOC367196	367196	1,13	down
6656863	7351333	1748158	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (A	LOC367196	367196	1,08	down
5664795	7039589	984515	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,25	down
5785836	7039589	984518	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,82	down
5974046	7039589	984521	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,23	down
6636321	7039589	984511	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,88	up
5823584	7359453	1768453	similar to AI661453 protein	RGD1561662	301232	1,02	up
6060141	7359453	1768460	similar to AI661453 protein	RGD1561662	301232	1,13	up
6067316	7359453	1768449	similar to AI661453 protein	RGD1561662	301232	1,20	up
5648640	7343122	1727749	similar to Anillin	RGD1561367	363031	1,70	down
6004763	7343122	1727750	similar to Anillin	RGD1561367	363031	1,00	up
5721715	7181442	1328887	similar to ATM/ATR-Substrate Chk2-Interacting Zn2+-finger protein	LOC499230	499230	1,06	up
5746075	7299204	1619541	similar to B0511.12	LOC690217	690217	1,15	up
5862024	7299204	1619542	similar to B0511.12	LOC690217	690217	1,52	down
5917638	7299204	1619548	similar to B0511.12	LOC690217	690217	1,16	up
6039911	7299204	1619543	similar to B0511.12	LOC690217	690217	1,21	up
6066410	7299204	1619548	similar to B0511.12	LOC690217	690217	1,47	down
6153287	7299204	1619542	similar to B0511.12	LOC690217	690217	1,23	down
6171257	7299204	1619542	similar to B0511.12	LOC690217	690217	1,15	down
6198434	7299204	1619548	similar to B0511.12	LOC690217	690217	1,05	up
6229352	7299204	1619549	similar to B0511.12	LOC690217	690217	1,54	down

6306453	7299204	1619550	similar to B0511.12	LOC690217	690217	1,38	up
6341048	7299204	1619546	similar to B0511.12	LOC690217	690217	1,26	up
6342015	7299204	1619548	similar to B0511.12	LOC690217	690217	1,70	up
6359559	7299204	1619550	similar to B0511.12	LOC690217	690217	1,20	up
6466766	7299204	1619544	similar to B0511.12	LOC690217	690217	1,20	up
6591363	7299204	1619545	similar to B0511.12	LOC690217	690217	1,36	up
5622660	7057615	1026108	similar to BC039632 protein	RGD1566127	499270	1,05	up
5832023	7057615	1026114	similar to BC039632 protein	RGD1566127	499270	1,21	up
5846147	7057615	1026108	similar to BC039632 protein	RGD1566127	499270	1,48	down
5925857	7057615	1026109	similar to BC039632 protein	RGD1566127	499270	1,44	down
6056203	7057615	1026111	similar to BC039632 protein	RGD1566127	499270	1,16	up
6107533	7057615	1026104	similar to BC039632 protein	RGD1566127	499270	1,46	down
6312564	7057615	1026103	similar to BC039632 protein	RGD1566127	499270	1,06	down
6376081	7057615	1026110	similar to BC039632 protein	RGD1566127	499270	1,04	down
6399286	7057615	1026107	similar to BC039632 protein	RGD1566127	499270	1,34	up
6522191	7057615	1026111	similar to BC039632 protein	RGD1566127	499270	1,10	up
6527329	7057615	1026105	similar to BC039632 protein	RGD1566127	499270	2,46	down
6650872	7057615	1026104	similar to BC039632 protein	RGD1566127	499270	1,63	down
6728136	7057615	1026106	similar to BC039632 protein	RGD1566127	499270	1,06	down
5727356	7144088	1236184	similar to B-cell novel protein 1	LOC498604	498604	1,20	up
5771977	7144088	1236178	similar to B-cell novel protein 1	LOC498604	498604	2,38	down
5864640	7144088	1236186	similar to B-cell novel protein 1	LOC498604	498604	1,65	down
5912802	7144088	1236181	similar to B-cell novel protein 1	LOC498604	498604	1,36	up
6042611	7144088	1236181	similar to B-cell novel protein 1	LOC498604	498604	1,04	down
6114467	7144088	1236182	similar to B-cell novel protein 1	LOC498604	498604	1,00	up
6160110	7144088	1236188	similar to B-cell novel protein 1	LOC498604	498604	2,03	down
6291098	7144088	1236175	similar to B-cell novel protein 1	LOC498604	498604	1,54	up
6298849	7144088	1236187	similar to B-cell novel protein 1	LOC498604	498604	1,07	up
6307605	7144088	1236180	similar to B-cell novel protein 1	LOC498604	498604	1,46	down
6310851	7144088	1236183	similar to B-cell novel protein 1	LOC498604	498604	1,35	down
6349887	7144088	1236179	similar to B-cell novel protein 1	LOC498604	498604	1,29	down
6387452	7144088	1236190	similar to B-cell novel protein 1	LOC498604	498604	1,34	up
6470044	7144088	1236189	similar to B-cell novel protein 1	LOC498604	498604	1,31	down
6573790	7144088	1236182	similar to B-cell novel protein 1	LOC498604	498604	1,16	up
6577355	7144088	1236178	similar to B-cell novel protein 1	LOC498604	498604	1,13	down
6714625	7144088	1236176	similar to B-cell novel protein 1	LOC498604	498604	1,11	up
5708208	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,27	up
6099593	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,11	up
6099667	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,13	down
6110966	7273744	1557031	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,26	up
6156585	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,29	up
6211493	7273744	1557022	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,12	up
6302631	7273744	1557042	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,35	down
6362028	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,50	up
6552576	7273744	1557043	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,51	down
6587296	7273744	1556995	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,13	up
5622536	7217623	1417107	similar to C21orf70 protein	RGD1311257	294333	1,41	up
5796312	7217623	1417104	similar to C21orf70 protein	RGD1311257	294333	1,06	down
6075670	7217623	1417106	similar to C21orf70 protein	RGD1311257	294333	1,05	down
6217191	7217623	1417104	similar to C21orf70 protein	RGD1311257	294333	2,50	down
6234120	7217623	1417109	similar to C21orf70 protein	RGD1311257	294333	1,17	up
6237480	7217623	1417108	similar to C21orf70 protein	RGD1311257	294333	1,17	up
6277102	7217623	1417110	similar to C21orf70 protein	RGD1311257	294333	1,22	down
6498609	7217623	1417105	similar to C21orf70 protein	RGD1311257	294333	1,59	down
5691295	7293402	1604702	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,16	down
5693568	7293402	1604703	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,24	up

5709047	7293402	1604700	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,11	down
5759583	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,06	down
5787569	7293402	1604696	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,23	down
5822480	7293402	1604729	similar to calmodulin-binding transcription activator 1	LOC500591	500591	2,43	down
5863223	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,23	up
5866798	7293402	1604695	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,46	down
5963796	7293402	1604700	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,64	down
5971476	7293402	1604717	similar to calmodulin-binding transcription activator 1	LOC500591	500591	2,06	down
5989360	7293402	1604760	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,21	up
5995477	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,04	down
5997675	7293402	1604831	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,06	down
6016492	7293402	1604698	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,51	up
6026202	7293402	1604728	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,06	up
6061502	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,70	down
6091119	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,59	down
6097267	7293402	1604736	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,20	down
6113703	7293402	1604719	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,17	down
6121008	7293402	1604799	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,01	down
6175179	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,08	up
6185094	7293402	1604729	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,32	up
6195462	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,28	up
6197946	7293402	1604705	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,05	up
6224235	7293402	1604689	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,08	up
6237565	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,02	up
6262139	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,23	up
6269014	7293402	1604701	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,47	down
6276034	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,61	down
6341243	7293402	1604728	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,41	up
6366939	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,03	down
6389903	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,21	up
6404836	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,34	up
6569962	7293402	1604700	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,06	up
6592993	7293402	1604689	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,08	up
6629585	7293402	1604689	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,09	down
6662031	7293402	1604697	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,23	up
6735469	7293402	1604694	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,65	down
5819009	7266778	1538854	similar to Camello-like 2	LOC681227	681227	1,06	up
6371160	7266778	1538854	similar to Camello-like 2 /// similar to RIKEN cDNA 1700019G17	LOC681227 /// RGD156 681227 /// 500238		1,35	down
6270502	7266778	1538854	similar to Camello-like 2 /// similar to RIKEN cDNA 1700019G17 /// camello-like27 /// RGD1563507227 /// 500238 /// 500			1,36	up
5657547	7158269	1271078	similar to cDNA sequence AF397014	RGD1308114	361253	1,54	up
5692021	7158269	1271075	similar to cDNA sequence AF397014	RGD1308114	361253	1,38	up
5888432	7158269	1271080	similar to cDNA sequence AF397014	RGD1308114	361253	1,13	up
5925973	7158269	1271073	similar to cDNA sequence AF397014	RGD1308114	361253	2,10	up
5946472	7158269	1271077	similar to cDNA sequence AF397014	RGD1308114	361253	1,13	up
6072441	7158269	1271081	similar to cDNA sequence AF397014	RGD1308114	361253	1,10	up
6076627	7158269	1271070	similar to cDNA sequence AF397014	RGD1308114	361253	1,22	down
6102828	7158269	1271079	similar to cDNA sequence AF397014	RGD1308114	361253	1,19	up
6225013	7158269	1271069	similar to cDNA sequence AF397014	RGD1308114	361253	1,01	down
6260457	7158269	1271074	similar to cDNA sequence AF397014	RGD1308114	361253	2,06	down
6311860	7158269	1271071	similar to cDNA sequence AF397014	RGD1308114	361253	1,03	down
6339655	7158269	1271074	similar to cDNA sequence AF397014	RGD1308114	361253	1,01	up
6453000	7158269	1271076	similar to cDNA sequence AF397014	RGD1308114	361253	1,03	up
6594230	7158269	1271072	similar to cDNA sequence AF397014	RGD1308114	361253	1,15	down
6699593	7158269	1271068	similar to cDNA sequence AF397014	RGD1308114	361253	1,29	up
6701223	7158269	1271070	similar to cDNA sequence AF397014	RGD1308114	361253	1,36	up
5649947	7349546	1743794	similar to CDV-3B	LOC315970	315970	1,12	down

5794460	7349546	1743791	similar to CDV-3B	LOC315970	315970	1,00	down
5905216	7349546	1743791	similar to CDV-3B	LOC315970	315970	1,32	down
6022619	7349546	1743792	similar to CDV-3B	LOC315970	315970	1,14	up
6064717	7349546	1743792	similar to CDV-3B	LOC315970	315970	1,00	down
6165843	7349546	1743790	similar to CDV-3B	LOC315970	315970	1,17	up
6227483	7349546	1743793	similar to CDV-3B	LOC315970	315970	1,08	up
6502291	7349546	1743794	similar to CDV-3B	LOC315970	315970	2,05	down
5660597	7240739	1476030	similar to ceramide kinase-like	RGD1561057	502640	1,21	down
5695704	7240739	1476016	similar to ceramide kinase-like	RGD1561057	502640	1,50	down
5856547	7240739	1476024	similar to ceramide kinase-like	RGD1561057	502640	1,13	up
5894484	7240739	1476021	similar to ceramide kinase-like	RGD1561057	502640	2,20	up
6030071	7240739	1476036	similar to ceramide kinase-like	RGD1561057	502640	1,47	up
6050814	7240739	1476010	similar to ceramide kinase-like	RGD1561057	502640	1,50	down
6206670	7240739	1476009	similar to ceramide kinase-like	RGD1561057	502640	1,06	up
6375440	7240739	1476015	similar to ceramide kinase-like	RGD1561057	502640	1,28	up
6406094	7240739	1476026	similar to ceramide kinase-like	RGD1561057	502640	1,45	up
6435624	7240739	1476014	similar to ceramide kinase-like	RGD1561057	502640	1,30	down
6563855	7240739	1476013	similar to ceramide kinase-like	RGD1561057	502640	1,67	down
6734675	7240739	1476012	similar to ceramide kinase-like	RGD1561057	502640	1,23	up
5651429	7050167	1009809	similar to CG11133-PA	LOC689639	689639	1,11	down
6014200	7050167	1009812	similar to CG11133-PA	LOC689639	689639	1,18	down
6033954	7050167	1009801	similar to CG11133-PA	LOC689639	689639	1,09	down
6102040	7050167	1009806	similar to CG11133-PA	LOC689639	689639	1,34	down
6115213	7050167	1009811	similar to CG11133-PA	LOC689639	689639	1,00	down
6128083	7050167	1009804	similar to CG11133-PA	LOC689639	689639	1,26	up
6222681	7050167	1009807	similar to CG11133-PA	LOC689639	689639	1,03	down
6319646	7050167	1009803	similar to CG11133-PA	LOC689639	689639	2,18	down
6444522	7050167	1009813	similar to CG11133-PA	LOC689639	689639	1,09	down
6447327	7050167	1009811	similar to CG11133-PA	LOC689639	689639	1,00	up
6482680	7050167	1009802	similar to CG11133-PA	LOC689639	689639	1,04	up
6507930	7050167	1009810	similar to CG11133-PA	LOC689639	689639	1,02	down
6536904	7050167	1009808	similar to CG11133-PA	LOC689639	689639	1,17	down
6687920	7050167	1009805	similar to CG11133-PA	LOC689639	689639	1,53	up
5772200	7033337	969505	similar to CG13745-PA	LOC683179	683179	1,04	down
5791383	7033337	969511	similar to CG13745-PA	LOC683179	683179	1,09	up
5793087	7033337	969481	similar to CG13745-PA	LOC683179	683179	1,13	down
5951698	7033337	969476	similar to CG13745-PA	LOC683179	683179	1,34	up
5959458	7033337	969516	similar to CG13745-PA	LOC683179	683179	1,09	up
5970892	7033337	969502	similar to CG13745-PA	LOC683179	683179	1,54	up
5982972	7033337	969477	similar to CG13745-PA	LOC683179	683179	1,07	down
5986489	7033337	969478	similar to CG13745-PA	LOC683179	683179	1,05	up
6028443	7033337	969508	similar to CG13745-PA	LOC683179	683179	1,40	down
6036319	7033337	969503	similar to CG13745-PA	LOC683179	683179	1,03	up
6083474	7033337	969502	similar to CG13745-PA	LOC683179	683179	1,13	down
6086941	7033337	969514	similar to CG13745-PA	LOC683179	683179	1,93	up
6237741	7033337	969516	similar to CG13745-PA	LOC683179	683179	1,01	down
6250144	7033337	969510	similar to CG13745-PA	LOC683179	683179	1,40	up
6317913	7033337	969509	similar to CG13745-PA	LOC683179	683179	2,28	down
6527247	7033337	969515	similar to CG13745-PA	LOC683179	683179	1,19	down
6645792	7033337	969513	similar to CG13745-PA	LOC683179	683179	1,11	down
6680527	7033337	969512	similar to CG13745-PA	LOC683179	683179	1,34	down
5729466	7065823	1045715	similar to CG18661-PA	RGD1307155	302998	1,33	up
5747247	7065823	1045710	similar to CG18661-PA	RGD1307155	302998	1,20	down
5973691	7065823	1045709	similar to CG18661-PA	RGD1307155	302998	1,28	up
6028946	7065823	1045711	similar to CG18661-PA	RGD1307155	302998	1,14	down
6538580	7065823	1045712	similar to CG18661-PA	RGD1307155	302998	1,08	down

5706609	7030863	962597	similar to CG3740-PA	LOC690000	690000	1,24	up
6397432	7030863	962593	similar to CG3740-PA	LOC690000	690000	1,64	down
5642511	7234425	1459405	similar to CG6878-PA	LOC679572	679572	1,28	up
6288311	7234425	1459406	similar to CG6878-PA	LOC679572	679572	1,07	down
6503250	7234425	1459404	similar to CG6878-PA	LOC679572	679572	1,26	down
5628514	7176456	1315826	similar to CG8486-PA, isoform A	LOC682889	682889	1,44	up
5652729	7176456	1315806	similar to CG8486-PA, isoform A	LOC682889	682889	1,16	down
5694306	7176456	1315827	similar to CG8486-PA, isoform A	LOC682889	682889	1,15	up
5828535	7176456	1315805	similar to CG8486-PA, isoform A	LOC682889	682889	2,39	up
5883290	7176456	1315800	similar to CG8486-PA, isoform A	LOC682889	682889	1,46	down
5940186	7176456	1315804	similar to CG8486-PA, isoform A	LOC682889	682889	1,26	down
5946619	7176456	1315801	similar to CG8486-PA, isoform A	LOC682889	682889	1,03	up
5987380	7176456	1315796	similar to CG8486-PA, isoform A	LOC682889	682889	1,39	up
5991201	7176456	1315826	similar to CG8486-PA, isoform A	LOC682889	682889	1,09	down
6025413	7176456	1315809	similar to CG8486-PA, isoform A	LOC682889	682889	1,26	down
6080784	7176456	1315819	similar to CG8486-PA, isoform A	LOC682889	682889	1,22	up
6097255	7176456	1315884	similar to CG8486-PA, isoform A	LOC682889	682889	1,01	up
6100260	7176456	1315799	similar to CG8486-PA, isoform A	LOC682889	682889	1,07	down
6145891	7176456	1315863	similar to CG8486-PA, isoform A	LOC682889	682889	1,02	down
6194504	7176456	1315813	similar to CG8486-PA, isoform A	LOC682889	682889	1,04	up
6259826	7176456	1315817	similar to CG8486-PA, isoform A	LOC682889	682889	1,01	up
6311297	7176456	1315873	similar to CG8486-PA, isoform A	LOC682889	682889	1,00	up
6363982	7176456	1315812	similar to CG8486-PA, isoform A	LOC682889	682889	1,07	down
6395982	7176456	1315813	similar to CG8486-PA, isoform A	LOC682889	682889	1,20	down
6415377	7176456	1315824	similar to CG8486-PA, isoform A	LOC682889	682889	1,17	down
6481811	7176456	1315827	similar to CG8486-PA, isoform A	LOC682889	682889	1,15	down
6497132	7176456	1315819	similar to CG8486-PA, isoform A	LOC682889	682889	1,12	up
6520638	7176456	1315810	similar to CG8486-PA, isoform A	LOC682889	682889	1,14	down
6570350	7176456	1315811	similar to CG8486-PA, isoform A	LOC682889	682889	1,28	down
6665883	7176456	1315808	similar to CG8486-PA, isoform A	LOC682889	682889	1,19	down
5640910	7196233	1366104	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,07	down
5675596	7196233	1366104	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,12	up
5773717	7196233	1366095	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,07	up
5813175	7196233	1366096	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,68	down
5901186	7196233	1366105	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,67	down
5971663	7196233	1366100	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,13	down
6034211	7196233	1366103	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,12	up
6044395	7196233	1366098	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,08	down
6050231	7196233	1366104	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,64	up
6052097	7196233	1366102	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,22	down
6106916	7196233	1366098	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,07	down
6131027	7196233	1366098	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,04	down
6235651	7196233	1366105	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,09	down
6348217	7196233	1366101	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,14	down
6390028	7196233	1366099	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,04	down
6528797	7196233	1366100	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,47	down
6559829	7196233	1366097	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,12	up
5667710	7148978	1248513	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,02	up
5705503	7148978	1248485	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,13	down
5745091	7148978	1248449	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,16	down
6119093	7148978	1248510	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,15	up
6389498	7148978	1248517	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,12	down
6419928	7148978	1248504	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,50	up
6515905	7148978	1248518	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,12	up
6611522	7148978	1248520	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,01	up
6658067	7148978	1248516	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,41	down

6672115	7148978	1248519	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,17	down
6683120	7148978	1248512	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,12	up
6168063	7299204	1619559	similar to chromosome 14 open reading frame 135	RGD1563544	366665	1,10	down
6658604	7307424	1641136	similar to chromosome 14 open reading frame 138	RGD1306228	362748	1,02	down
5618682	7186440	1341257	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,40	down
5785861	7186440	1341260	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,01	up
5857685	7186440	1341258	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,10	up
5894613	7186440	1341249	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,03	down
6003546	7186440	1341255	similar to chromosome 16 open reading frame 7	RGD1565149	307923	2,15	down
6107283	7186440	1341261	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,20	up
6111946	7186440	1341252	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,14	down
6139174	7186440	1341254	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,28	up
6240008	7186440	1341255	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,22	down
6283177	7186440	1341263	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,02	up
6317711	7186440	1341250	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,01	up
6335650	7186440	1341259	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,05	up
6356631	7186440	1341253	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,21	down
6536598	7186440	1341264	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,11	up
6556830	7186440	1341251	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,29	down
6589501	7186440	1341255	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,10	up
6683111	7186440	1341262	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,34	up
6683985	7186440	1341261	similar to chromosome 16 open reading frame 7	RGD1565149	307923	1,32	up
5648836	7073928	1065787	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,16	up
5655432	7073928	1065795	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,47	up
5669571	7073928	1065800	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,24	up
5852355	7073928	1065802	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,83	up
5882783	7073928	1065812	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,14	up
5901154	7073928	1065784	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,56	up
5912792	7073928	1065792	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,54	down
5936882	7073928	1065813	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,25	down
6063581	7073928	1065794	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,07	down
6065417	7073928	1065803	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,90	down
6071339	7073928	1065793	similar to chromosome 17 open reading frame 27	LOC688296	688296	3,14	down
6096532	7073928	1065782	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,28	up
6111329	7073928	1065806	similar to chromosome 17 open reading frame 27	LOC688296	688296	2,07	down
6187219	7073928	1065783	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,16	up
6213322	7073928	1065811	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,47	up
6221838	7073928	1065814	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,57	down
6266691	7073928	1065793	similar to chromosome 17 open reading frame 27	LOC688296	688296	3,58	down
6276880	7073928	1065808	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,02	up
6330482	7073928	1065786	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,02	down
6338438	7073928	1065810	similar to chromosome 17 open reading frame 27	LOC688296	688296	2,15	down
6363965	7073928	1065815	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,31	down
6380485	7073928	1065790	similar to chromosome 17 open reading frame 27	LOC688296	688296	2,04	up
6475186	7073928	1065791	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,24	up
6481678	7073928	1065801	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,26	up
6493534	7073928	1065785	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,38	up
6538161	7073928	1065809	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,21	up
6599099	7073928	1065797	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,30	up
6679786	7073928	1065807	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,10	down
6700923	7073928	1065798	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,09	up
6716406	7073928	1065796	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,86	up
6730743	7073928	1065788	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,46	up
5901772	7256238	1513037	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,00	down
5923649	7256238	1513043	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,11	up
5925325	7256238	1513037	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,16	down

5938158	7256238	1513039	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,03	up
5967432	7256238	1513046	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,12	down
5982969	7256238	1513045	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,21	down
6013510	7256238	1513036	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,03	down
6132029	7256238	1513054	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,09	down
6278900	7256238	1513053	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,02	up
6345904	7256238	1513044	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,29	down
6366131	7256238	1513047	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,13	down
6380400	7256238	1513055	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,31	up
6396525	7256238	1513034	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,15	up
6475471	7256238	1513056	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,01	up
6490875	7256238	1513049	similar to chromosome 3 open reading frame 20	RGD1560289	500258	2,28	down
6558007	7256238	1513051	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,18	up
6597134	7256238	1513048	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,49	down
6642876	7256238	1513052	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,55	down
6704374	7256238	1513038	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,09	down
6715812	7256238	1513037	similar to chromosome 3 open reading frame 20	RGD1560289	500258	1,18	up
6058437	7027759	956133	similar to chromosome 6 open reading frame 70	RGD1562376	499055	1,05	up
5777615	7381352	1823759	similar to chromosome X open reading frame 23	RGD1562161	501559	1,20	up
5824789	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	1,21	up
5830348	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	1,28	down
5892300	7381352	1823754	similar to chromosome X open reading frame 23	RGD1562161	501559	1,93	up
5972252	7381352	1823752	similar to chromosome X open reading frame 23	RGD1562161	501559	1,30	up
6006172	7381352	1823753	similar to chromosome X open reading frame 23	RGD1562161	501559	1,60	down
6181832	7381352	1823747	similar to chromosome X open reading frame 23	RGD1562161	501559	1,42	down
6193538	7381352	1823751	similar to chromosome X open reading frame 23	RGD1562161	501559	1,43	down
6239885	7381352	1823745	similar to chromosome X open reading frame 23	RGD1562161	501559	1,48	up
6293332	7381352	1823747	similar to chromosome X open reading frame 23	RGD1562161	501559	1,15	down
6348865	7381352	1823749	similar to chromosome X open reading frame 23	RGD1562161	501559	1,10	down
6358489	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	1,42	up
6456438	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	3,60	up
6488773	7381352	1823742	similar to chromosome X open reading frame 23	RGD1562161	501559	1,18	down
6510050	7381352	1823746	similar to chromosome X open reading frame 23	RGD1562161	501559	1,09	up
6586304	7381352	1823742	similar to chromosome X open reading frame 23	RGD1562161	501559	1,06	down
6592587	7381352	1823756	similar to chromosome X open reading frame 23	RGD1562161	501559	1,04	up
5628569	7357813	1764121	similar to ciliary rootlet coiled-coil, rootletin	LOC685219	685219	1,44	down
5948512	7357813	1764115	similar to ciliary rootlet coiled-coil, rootletin	LOC685219	685219	1,04	up
6340848	7357813	1764119	similar to ciliary rootlet coiled-coil, rootletin	LOC685219	685219	2,25	down
6366224	7357813	1764113	similar to ciliary rootlet coiled-coil, rootletin	LOC685219	685219	1,01	up
6389970	7357813	1764117	similar to ciliary rootlet coiled-coil, rootletin	LOC685219	685219	1,16	down
6705378	7357813	1764114	similar to ciliary rootlet coiled-coil, rootletin	LOC685219	685219	1,17	down
5692138	7324337	1682063	similar to citrate synthase	RGD1565753	299750	1,12	up
5785479	7324337	1682063	similar to citrate synthase	RGD1565753	299750	1,35	down
5813981	7324337	1682061	similar to citrate synthase	RGD1565753	299750	1,03	up
5863155	7324337	1682061	similar to citrate synthase	RGD1565753	299750	1,84	down
5991943	7324337	1682060	similar to citrate synthase	RGD1565753	299750	1,24	down
6429490	7324337	1682059	similar to citrate synthase	RGD1565753	299750	1,10	up
5620722	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,51	up
5632044	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,50	down
5667148	7029181	959076	similar to coiled-coil domain containing 8	MGC72567	494320	1,10	down
5740875	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,08	down
5842079	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,06	up
5846129	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,12	down
5897422	7029181	959077	similar to coiled-coil domain containing 8	MGC72567	494320	1,18	up
6001445	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,09	down
6102704	7029181	959074	similar to coiled-coil domain containing 8	MGC72567	494320	1,03	down

6109180	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	2,53	up
6210013	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,37	up
6346299	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,33	down
6405956	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,42	up
6636070	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,14	up
6688669	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,31	down
6720035	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,07	down
5715751	7253272	1505624	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,35	down
5806434	7253272	1505676	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,78	down
5814503	7253272	1505636	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,01	down
5910443	7253272	1505695	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	2,17	up
5920229	7253272	1505699	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,31	up
5946378	7253272	1505698	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,14	up
6027370	7253272	1505593	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,15	up
6038996	7253272	1505586	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,24	down
6073582	7253272	1505662	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,24	down
6313029	7253272	1505644	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,36	down
6518260	7253272	1505678	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,03	down
6618875	7253272	1505664	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,02	up
6619159	7253272	1505685	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,41	down
6647294	7253272	1505604	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,30	down
5648550	7109424	1151140	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,39	down
5663226	7109424	1151138	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,07	up
5809694	7109424	1151140	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,20	down
5849396	7109424	1151156	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,47	down
5852158	7109424	1151117	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,05	up
5937954	7109424	1151116	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,11	up
5992921	7109424	1151124	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,03	down
6003780	7109424	1151164	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,21	up
6116703	7109424	1151141	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,53	up
6206562	7109424	1151114	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,41	down
6249788	7109424	1151148	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,03	down
6432375	7109424	1151135	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,09	up
6525321	7109424	1151163	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,10	up
6528310	7109424	1151169	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,13	down
6541568	7109424	1151152	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,05	down
6580383	7109424	1151134	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,35	down
6584067	7109424	1151162	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,16	down
6641981	7109424	1151114	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,01	up
6734325	7109424	1151115	similar to contactin associated protein-like 5 isoform 1	LOC304725	304725	1,41	up
5633827	7327249	1688591	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	up
5668842	7327249	1688588	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,01	up
5678471	7327249	1688655	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	down
5683428	7327249	1688636	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,18	up
5697160	7327249	1688645	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,31	down
5699404	7327249	1688591	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	1,31	up
5709369	7327249	1688633	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	down
5714258	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	down
5717276	7327249	1688575	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,11	down
5747284	7327249	1688613	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,24	up
5749674	7327249	1688648	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,08	down
5762855	7327249	1688596	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	1,24	down
5795010	7327249	1688585	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,16	up
5797603	7327249	1688593	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	down

5800600	7327249	1688590	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,05	up
5821039	7327249	1688601	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,08	down
5821516	7327249	1688687	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,01	down
5829461	7327249	1688597	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,48	down
5857909	7327249	1688676	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,13	up
5859763	7327249	1688647	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,19	up
5861159	7327249	1688634	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,08	down
5890231	7327249	1688672	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
5893968	7327249	1688637	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,14	down
5901102	7327249	1688663	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
5936597	7327249	1688695	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,24	up
5956013	7327249	1688579	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,08	up
5977746	7327249	1688650	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,48	down
5994908	7327249	1688622	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	down
5998971	7327249	1688646	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,53	up
6006477	7327249	1688661	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,13	up
6008133	7327249	1688604	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,08	down
6009877	7327249	1688616	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,24	down
6018713	7327249	1688620	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,21	up
6047056	7327249	1688584	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	up
6047654	7327249	1688653	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,44	up
6073543	7327249	1688599	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,03	up
6077387	7327249	1688587	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,10	up
6095830	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,05	up
6118380	7327249	1688589	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	up
6139912	7327249	1688586	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6145151	7327249	1688634	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	2,35	up
6158892	7327249	1688595	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6164027	7327249	1688631	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	up
6189492	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	down
6194245	7327249	1688581	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	down
6198255	7327249	1688674	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,51	up
6206185	7327249	1688641	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6208704	7327249	1688630	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,36	up
6218006	7327249	1688715	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,12	up
6231042	7327249	1688577	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,55	up
6238716	7327249	1688665	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,19	down
6245387	7327249	1688702	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,22	down
6296435	7327249	1688604	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,71	down
6305234	7327249	1688676	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,23	up
6312373	7327249	1688580	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,31	down
6319662	7327249	1688715	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,64	down
6331465	7327249	1688680	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,12	down
6345452	7327249	1688640	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	down
6348966	7327249	1688606	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,26	down
6349679	7327249	1688594	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,30	down
6367634	7327249	1688627	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	1,12	up
6399199	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6405157	7327249	1688650	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	up
6422157	7327249	1688602	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,10	up
6422584	7327249	1688630	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,05	down
6422967	7327249	1688603	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,11	up
6463993	7327249	1688605	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,14	down
6479583	7327249	1688574	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,11	down
6497410	7327249	1688661	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	down

6507727	7327249	1688621	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,07	down
6523545	7327249	1688715	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,20	down
6544463	7327249	1688592	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,27	down
6545668	7327249	1688582	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6640438	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,17	down
6660961	7327249	1688654	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,12	down
6670254	7327249	1688611	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	up
6677712	7327249	1688701	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	down
6679324	7327249	1688578	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	down
6687733	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,82	down
6692715	7327249	1688638	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,39	up
6705338	7327249	1688649	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,15	down
5726697	7153589	1259074	similar to cullin 4A	RGD1563853	361181	1,16	down
5816235	7153589	1259070	similar to cullin 4A	RGD1563853	361181	1,71	down
5832142	7153589	1259071	similar to cullin 4A	RGD1563853	361181	1,09	up
5907300	7153589	1259078	similar to cullin 4A	RGD1563853	361181	1,35	up
5929039	7153589	1259089	similar to cullin 4A	RGD1563853	361181	1,33	up
6068028	7153589	1259068	similar to cullin 4A	RGD1563853	361181	1,06	down
6109819	7153589	1259079	similar to cullin 4A	RGD1563853	361181	1,65	up
6127303	7153589	1259069	similar to cullin 4A	RGD1563853	361181	1,16	down
6129299	7153589	1259084	similar to cullin 4A	RGD1563853	361181	1,17	up
6133625	7153589	1259086	similar to cullin 4A	RGD1563853	361181	1,54	up
6149173	7153589	1259094	similar to cullin 4A	RGD1563853	361181	1,02	down
6172352	7153589	1259068	similar to cullin 4A	RGD1563853	361181	1,18	down
6198188	7153589	1259094	similar to cullin 4A	RGD1563853	361181	1,17	up
6235734	7153589	1259091	similar to cullin 4A	RGD1563853	361181	1,06	up
6282035	7153589	1259072	similar to cullin 4A	RGD1563853	361181	1,12	down
6422785	7153589	1259088	similar to cullin 4A	RGD1563853	361181	1,11	up
6439289	7153589	1259087	similar to cullin 4A	RGD1563853	361181	1,34	down
6580425	7153589	1259076	similar to cullin 4A	RGD1563853	361181	1,19	up
6594796	7153589	1259077	similar to cullin 4A	RGD1563853	361181	1,03	down
6625539	7153589	1259080	similar to cullin 4A	RGD1563853	361181	1,30	up
6712109	7153589	1259091	similar to cullin 4A	RGD1563853	361181	1,41	up
6722902	7153589	1259082	similar to cullin 4A	RGD1563853	361181	1,07	down
5628187	7374790	1808772	similar to CXORF15	LOC302680	302680	1,06	down
5714237	7374790	1808769	similar to CXORF15	LOC302680	302680	1,41	up
5819511	7374790	1808770	similar to CXORF15	LOC302680	302680	1,63	up
5842420	7374790	1808769	similar to CXORF15	LOC302680	302680	1,01	down
6024574	7374790	1808773	similar to CXORF15	LOC302680	302680	1,59	down
6095498	7374790	1808769	similar to CXORF15	LOC302680	302680	1,03	up
6229013	7374790	1808776	similar to CXORF15	LOC302680	302680	1,11	down
6483884	7374790	1808771	similar to CXORF15	LOC302680	302680	2,05	up
6504659	7374790	1808772	similar to CXORF15	LOC302680	302680	1,14	up
6553449	7374790	1808774	similar to CXORF15	LOC302680	302680	1,44	up
6739964	7374790	1808775	similar to CXORF15	LOC302680	302680	1,05	up
5712887	7358053	1764843	similar to D1Ert622e protein	RGD1562136	501195	2,40	up
5838548	7358053	1764835	similar to D1Ert622e protein	RGD1562136	501195	1,66	down
5866647	7358053	1764844	similar to D1Ert622e protein	RGD1562136	501195	1,69	up
6270420	7358053	1764843	similar to D1Ert622e protein	RGD1562136	501195	1,27	up
6425320	7358053	1764838	similar to D1Ert622e protein	RGD1562136	501195	1,25	up
6644009	7358053	1764835	similar to D1Ert622e protein	RGD1562136	501195	1,16	up
5934406	7358048	1764810	similar to D330021B20 protein	RGD1308143	316685	1,03	down
5989140	7358048	1764818	similar to D330021B20 protein	RGD1308143	316685	1,19	down
6042530	7358048	1764821	similar to D330021B20 protein	RGD1308143	316685	1,28	down
6052241	7358048	1764814	similar to D330021B20 protein	RGD1308143	316685	1,00	down
6319859	7358048	1764819	similar to D330021B20 protein	RGD1308143	316685	1,16	up

6649730	7358048	1764821	similar to D330021B20 protein	RGD1308143	316685	1,01	up
5628825	7140946	1228311	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,05	down
5654658	7140946	1228279	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,56	down
5675867	7140946	1228286	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,09	up
5730657	7140946	1228285	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,18	up
5763344	7140946	1228298	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,15	down
5835623	7140946	1228301	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,30	up
6134618	7140946	1228322	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,06	up
6267950	7140946	1228279	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,33	up
6333179	7140946	1228345	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,27	up
6499817	7140946	1228284	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	2,12	up
6603972	7140946	1228300	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,07	up
6623448	7140946	1228345	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,25	up
6655201	7140946	1228288	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,20	up
6667090	7140946	1228299	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,00	down
6696299	7140946	1228279	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,18	down
5649519	7037495	979334	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,00	up
5694354	7037495	979342	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,06	up
5743857	7037495	979333	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,43	up
5749737	7037495	979320	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,02	up
5768876	7037495	979343	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,03	up
5893799	7037495	979343	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,18	up
5901400	7037495	979340	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,33	up
5954050	7037495	979341	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,26	up
6013970	7037495	979344	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,12	down
6085160	7037495	979330	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	2,13	down
6105091	7037495	979335	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,05	up
6209415	7037495	979338	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,04	down
6255166	7037495	979327	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,43	down
6327389	7037495	979329	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,09	up
6354873	7037495	979331	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,07	up
6363863	7037495	979332	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,01	up
6435415	7037495	979331	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,02	down
6464645	7037495	979339	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,51	up
6493447	7037495	979328	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,01	up
6651538	7037495	979338	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deE678798 /// LOC691 678798 /// 691970	LOC691 678798	691970	1,45	down
5849204	7037495	979315	similar to deleted in malignant brain tumors 1 isoform c precursor	LOC691970	691970	1,26	up
5675038	7188138	1345061	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,70	down
5716565	7188138	1345043	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,55	down
5951569	7188138	1345026	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	2,13	up
6043077	7188138	1344996	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,08	up
6078118	7188138	1345032	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,01	up
6103755	7188138	1345016	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,30	up
6223890	7188138	1344996	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,34	down
6269426	7188138	1345066	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,66	down
6489484	7188138	1345044	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,66	down
6513815	7188138	1345013	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,51	up
6687640	7188138	1345046	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,60	down
5634076	7081368	1082377	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,68	down
5768075	7081368	1082371	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,04	up
5909925	7081368	1082375	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,06	down
6071243	7081368	1082376	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,22	down
6172451	7081368	1082381	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,37	up
6185174	7081368	1082370	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,08	up
6231942	7081368	1082376	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,17	up
6262400	7081368	1082374	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,39	down

6270576	7081368	1082378	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,14	up
6364003	7081368	1082370	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,53	down
6398055	7081368	1082373	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,49	down
6429662	7081368	1082381	similar to diacylglycerol kinase epsilon	LOC497978	497978	2,26	up
6644743	7081368	1082372	similar to diacylglycerol kinase epsilon	LOC497978	497978	1,09	up
6691448	7368565	1791288	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein	LOC685908	685908	2,74	up
6371167	7369938	1795528	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein	LOC501089	501089	1,38	down
6218349	7369043	1793107	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein	LOC689479	689479	1,37	up
5650970	7338807	1716788	similar to dJ202D23.2 (novel protein similar to C21ORF5 (KIAA0933))	RGD1305534	315864	1,20	up
5720930	7338807	1716778	similar to dJ202D23.2 (novel protein similar to C21ORF5 (KIAA0933))	RGD1305534	315864	1,26	up
5758684	7338807	1716777	similar to dJ202D23.2 (novel protein similar to C21ORF5 (KIAA0933))	RGD1305534	315864	1,04	up
6488551	7338807	1716830	similar to dJ202D23.2 (novel protein similar to C21ORF5 (KIAA0933))	RGD1305534	315864	1,97	down
5679268	7099517	1126491	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,29	up
5692086	7099517	1126504	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,20	down
5755153	7099517	1126492	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,14	down
5768189	7099517	1126503	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,43	down
5839478	7099517	1126489	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,06	down
5863374	7099517	1126487	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,18	up
5881931	7099517	1126498	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,02	down
5921168	7099517	1126488	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,44	down
5962202	7099517	1126488	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,18	down
5972710	7099517	1126507	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,08	down
6000562	7099517	1126500	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,15	up
6103708	7099517	1126494	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,19	down
6141725	7099517	1126506	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,24	up
6216992	7099517	1126503	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,22	down
6529372	7099517	1126487	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,45	down
6556478	7099517	1126502	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,40	down
6578081	7099517	1126493	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,27	up
6596354	7099517	1126501	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,22	down
6630196	7099517	1126504	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,03	down
6706757	7099517	1126487	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,19	down
6745794	7099517	1126499	similar to ecotropic viral integration site 5-like	RGD1561962	304201	1,22	up
5646848	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,68	up
5905188	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,29	up
6104588	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,33	up
6126694	7329135	1693484	similar to Epiplakin	LOC686567	686567	1,37	up
6193469	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,13	down
6313342	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,39	up
6322781	7329135	1693484	similar to Epiplakin	LOC686567	686567	2,41	down
6354489	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,00	up
6449151	7329135	1693484	similar to Epiplakin	LOC686567	686567	1,21	up
6582453	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,13	up
5883210	7371677	1800754	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,29	down
5889942	7371677	1800754	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,15	down
6470909	7371677	1800755	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,17	up
6538460	7371677	1800755	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,02	down
5678981	7336449	1710611	similar to expressed sequence AII18078	RGD1562084	501002	1,53	down
5737910	7336449	1710631	similar to expressed sequence AII18078	RGD1562084	501002	1,18	up
5833563	7336449	1710632	similar to expressed sequence AII18078	RGD1562084	501002	1,10	up
5915676	7336449	1710619	similar to expressed sequence AII18078	RGD1562084	501002	1,00	up
5937757	7336449	1710619	similar to expressed sequence AII18078	RGD1562084	501002	1,48	down
5939291	7336449	1710628	similar to expressed sequence AII18078	RGD1562084	501002	1,20	down
5968441	7336449	1710618	similar to expressed sequence AII18078	RGD1562084	501002	1,32	up
5998123	7336449	1710620	similar to expressed sequence AII18078	RGD1562084	501002	1,27	up
6040089	7336449	1710632	similar to expressed sequence AII18078	RGD1562084	501002	1,13	down

6040447	7336449	1710605	similar to expressed sequence AII18078	RGD1562084	501002	1,23	down
6377580	7336449	1710615	similar to expressed sequence AII18078	RGD1562084	501002	2,97	down
6407754	7336449	1710611	similar to expressed sequence AII18078	RGD1562084	501002	1,75	down
6464096	7336449	1710632	similar to expressed sequence AII18078	RGD1562084	501002	1,68	down
6707466	7336449	1710602	similar to expressed sequence AII18078	RGD1562084	501002	1,24	up
5704752	7370977	1798761	similar to Fatty acid-binding protein, epidermal (E-FABP) (Cutaneous fatty acid-b	LOC503340	503340	1,18	down
6542574	7370977	1798761	similar to Fatty acid-binding protein, epidermal (E-FABP) (Cutaneous fatty acid-b	LOC503340	503340	1,77	up
5629845	7030172	960967	similar to F-box only protein 27	RGD1563982	499114	1,19	down
5709580	7030172	960965	similar to F-box only protein 27	RGD1563982	499114	2,40	up
5723039	7030172	960966	similar to F-box only protein 27	RGD1563982	499114	1,30	up
5724389	7030172	960965	similar to F-box only protein 27	RGD1563982	499114	1,14	up
5891536	7030172	960963	similar to F-box only protein 27	RGD1563982	499114	2,74	down
6000744	7030172	960965	similar to F-box only protein 27	RGD1563982	499114	1,29	up
6188844	7030172	960964	similar to F-box only protein 27	RGD1563982	499114	1,73	down
6443355	7030172	960967	similar to F-box only protein 27	RGD1563982	499114	1,35	up
6620247	7030172	960964	similar to F-box only protein 27	RGD1563982	499114	2,38	down
6627281	7030172	960964	similar to F-box only protein 27	RGD1563982	499114	1,22	up
6645648	7030172	960967	similar to F-box only protein 27	RGD1563982	499114	1,21	up
6156166	7131360	1204992	similar to FLJ00128 protein	RGD1308093	361034	2,72	up
6437492	7131360	1204993	similar to FLJ00128 protein	RGD1308093	361034	1,46	down
6470816	7131360	1204992	similar to FLJ00128 protein	RGD1308093	361034	1,20	down
6553687	7131360	1204992	similar to FLJ00128 protein	RGD1308093	361034	1,02	down
6733424	7131360	1204965	similar to FLJ00128 protein	RGD1308093	361034	1,02	down
5628667	7328833	1692810	similar to FLJ43860 protein	RGD1559695	500889	1,09	up
5631458	7328833	1692803	similar to FLJ43860 protein	RGD1559695	500889	1,03	up
5687481	7328833	1692788	similar to FLJ43860 protein	RGD1559695	500889	1,39	down
5716397	7328833	1692800	similar to FLJ43860 protein	RGD1559695	500889	1,18	up
5782151	7328833	1692789	similar to FLJ43860 protein	RGD1559695	500889	1,33	down
5786190	7328833	1692791	similar to FLJ43860 protein	RGD1559695	500889	1,37	up
5803884	7328833	1692778	similar to FLJ43860 protein	RGD1559695	500889	1,03	down
5816379	7328833	1692796	similar to FLJ43860 protein	RGD1559695	500889	1,05	up
5818495	7328833	1692777	similar to FLJ43860 protein	RGD1559695	500889	2,16	down
5873980	7328833	1692780	similar to FLJ43860 protein	RGD1559695	500889	1,01	up
5881939	7328833	1692805	similar to FLJ43860 protein	RGD1559695	500889	1,64	down
5893165	7328833	1692776	similar to FLJ43860 protein	RGD1559695	500889	1,13	up
5906576	7328833	1692809	similar to FLJ43860 protein	RGD1559695	500889	1,06	up
5969306	7328833	1692797	similar to FLJ43860 protein	RGD1559695	500889	1,05	down
6076748	7328833	1692787	similar to FLJ43860 protein	RGD1559695	500889	1,09	up
6125330	7328833	1692781	similar to FLJ43860 protein	RGD1559695	500889	1,46	up
6135842	7328833	1692775	similar to FLJ43860 protein	RGD1559695	500889	1,06	down
6211645	7328833	1692813	similar to FLJ43860 protein	RGD1559695	500889	1,25	up
6224458	7328833	1692786	similar to FLJ43860 protein	RGD1559695	500889	1,02	up
6243025	7328833	1692782	similar to FLJ43860 protein	RGD1559695	500889	1,04	down
6300859	7328833	1692790	similar to FLJ43860 protein	RGD1559695	500889	1,12	up
6302217	7328833	1692808	similar to FLJ43860 protein	RGD1559695	500889	1,04	down
6317888	7328833	1692792	similar to FLJ43860 protein	RGD1559695	500889	1,31	up
6362864	7328833	1692788	similar to FLJ43860 protein	RGD1559695	500889	1,27	down
6392063	7328833	1692783	similar to FLJ43860 protein	RGD1559695	500889	1,05	down
6417580	7328833	1692805	similar to FLJ43860 protein	RGD1559695	500889	1,15	down
6468626	7328833	1692773	similar to FLJ43860 protein	RGD1559695	500889	1,06	down
6508616	7328833	1692801	similar to FLJ43860 protein	RGD1559695	500889	1,95	up
6565445	7328833	1692774	similar to FLJ43860 protein	RGD1559695	500889	1,06	down
6588125	7328833	1692798	similar to FLJ43860 protein	RGD1559695	500889	1,18	up
6602446	7328833	1692810	similar to FLJ43860 protein	RGD1559695	500889	1,21	down
6611536	7328833	1692794	similar to FLJ43860 protein	RGD1559695	500889	2,33	up
6684200	7328833	1692799	similar to FLJ43860 protein	RGD1559695	500889	1,12	up

6733250	7328833	1692802	similar to FLJ43860 protein	RGD1559695	500889	1,50	down
6371534	7231203	1450420	similar to formin	RGD1306349	296512	1,90	down
6619428	7231203	1450403	similar to Formin-1 isoform IV (Limb deformity protein) /// similar to formin	687921 /// RGD130	687921 /// 296512	1,14	up
5625925	7226812	1439359	similar to G protein-coupled receptor 144	RGD1564139	366034	3,41	up
5967750	7226812	1439355	similar to G protein-coupled receptor 144	RGD1564139	366034	1,18	down
5998175	7226812	1439353	similar to G protein-coupled receptor 144	RGD1564139	366034	1,11	down
6051790	7226812	1439354	similar to G protein-coupled receptor 144	RGD1564139	366034	2,01	up
6251462	7226812	1439359	similar to G protein-coupled receptor 144	RGD1564139	366034	1,20	down
6383622	7226812	1439356	similar to G protein-coupled receptor 144	RGD1564139	366034	1,16	up
6633568	7226812	1439357	similar to G protein-coupled receptor 144	RGD1564139	366034	1,17	up
6697166	7226812	1439351	similar to G protein-coupled receptor 144	RGD1564139	366034	1,19	down
5701856	7107321	1145327	similar to G protein-coupled receptor 161	RGD1563245	289180	2,10	up
5712239	7107321	1145322	similar to G protein-coupled receptor 161	RGD1563245	289180	1,29	down
5871239	7107321	1145322	similar to G protein-coupled receptor 161	RGD1563245	289180	2,07	down
6263459	7107321	1145325	similar to G protein-coupled receptor 161	RGD1563245	289180	1,29	down
6274657	7107321	1145326	similar to G protein-coupled receptor 161	RGD1563245	289180	1,07	up
6283450	7107321	1145325	similar to G protein-coupled receptor 161	RGD1563245	289180	1,12	down
6567263	7107321	1145327	similar to G protein-coupled receptor 161	RGD1563245	289180	1,26	up
5670691	7294221	1606737	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,11	down
5707529	7294221	1606739	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,75	up
5900709	7294221	1606736	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,28	down
5974398	7294221	1606738	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,00	down
6357738	7294221	1606731	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,22	down
6368404	7294221	1606731	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,03	down
6478142	7294221	1606731	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	2,33	down
6638749	7294221	1606735	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,25	up
6655016	7294221	1606739	similar to Glutaminy-peptide cyclotransferase precursor (QC)	RGD1562284	313837	1,50	down
5784008	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin	LOC305806	305806	1,09	down
6420302	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin	LOC305806	305806	1,36	down
5680259	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,14	down
5919161	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,00	up
5959041	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	3,40	down
5969872	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	2,36	down
5984377	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,13	down
6020950	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,36	up
6117571	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	5,61	down
6176124	7368912	1792634	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,30	up
6203880	7371539	1800300	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,01	up
6356241	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,19	up
6541266	7368912	1792633	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,33	up
6630461	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDN:305806 /// LOC290	305806 /// 290508	305806 /// 290508	1,16	up
5622867	7370412	1796825	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,13	down
5865919	7370412	1796827	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,16	up
6021394	7370412	1796831	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,23	down
6104489	7370412	1796830	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,07	down
6108580	7370412	1796829	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,01	down
6208547	7370412	1796822	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,43	up
6233835	7370412	1796839	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	2,00	down
6352528	7370412	1796834	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,46	up
6447325	7370412	1796826	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,05	up
6518184	7370412	1796824	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,14	down
6563606	7370412	1796823	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,01	up
6600827	7370412	1796824	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,36	down
6606380	7370412	1796837	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,30	down
6678659	7370412	1796836	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	2,02	up
6690331	7370412	1796829	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,00	up

6725398	7370412	1796832	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,43	down
6316758	7116614	1168778	similar to GPI-gamma 4; GPIgamma4	RGD1562220	305185	1,05	down
5645929	7237711	1467423	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,01	down
5653961	7237711	1467451	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,03	up
5668926	7237711	1467452	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,14	up
5708488	7237711	1467449	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,89	up
5788107	7237711	1467423	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,00	down
5791366	7237711	1467434	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,03	down
5800986	7237711	1467437	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,58	up
5812129	7237711	1467427	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,92	down
5843042	7237711	1467442	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,34	down
5848598	7237711	1467449	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,31	up
5875156	7237711	1467423	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,00	up
5892801	7237711	1467458	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,20	up
5917659	7237711	1467435	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,24	down
5996069	7237711	1467455	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,07	up
6012658	7237711	1467428	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,23	up
6018448	7237711	1467448	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,89	down
6021919	7237711	1467457	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,49	up
6036993	7237711	1467433	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,01	up
6043380	7237711	1467425	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,09	up
6157735	7237711	1467443	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	2,65	up
6284010	7237711	1467463	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,10	down
6310624	7237711	1467446	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,59	up
6317594	7237711	1467442	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,41	down
6372103	7237711	1467424	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,01	up
6397645	7237711	1467464	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,22	down
6422652	7237711	1467426	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,42	up
6461022	7237711	1467429	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,68	down
6552513	7237711	1467431	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,20	up
6574499	7237711	1467450	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,45	up
6693479	7237711	1467445	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,22	up
5658775	7200129	1375992	similar to guanylate binding protein 1, interferon-inducible, 67kDa	RGD1561239	304267	1,60	down
6162221	7200129	1375993	similar to guanylate binding protein 1, interferon-inducible, 67kDa	RGD1561239	304267	3,00	up
6277229	7200129	1375991	similar to guanylate binding protein 1, interferon-inducible, 67kDa	RGD1561239	304267	1,06	up
5665670	7234434	1459436	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,14	up
5765926	7234434	1459417	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,36	down
5832234	7234434	1459441	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,08	down
5959569	7234434	1459428	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	2,05	down
6022562	7234434	1459433	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,33	down
6043789	7234434	1459442	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,09	up
6094802	7234434	1459422	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,11	up
6238536	7234434	1459430	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,13	up
6238561	7234434	1459426	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,12	down
6257085	7234434	1459429	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,21	down
6280151	7234434	1459437	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,52	up
6328296	7234434	1459438	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,00	down
6442002	7234434	1459442	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,12	up
6609629	7234434	1459433	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,06	down
6631453	7234434	1459427	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,13	down
6640665	7234434	1459431	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,11	down
6672359	7234434	1459435	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,06	up
6677305	7234434	1459438	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,06	down
6696881	7234434	1459424	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,12	up
6700261	7234434	1459432	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,14	down
6728469	7234434	1459420	similar to Hepatocellular carcinoma-associated antigen 58 homolog	RGD1305020	311575	1,31	up

5827770	7197076	1367887	similar to histone protein Hist2h3c1	RGD1563516	690148	1,32	down
6142932	7197076	1367887	similar to histone protein Hist2h3c1	RGD1563516	690148	2,07	down
6150049	7197076	1367888	similar to histone protein Hist2h3c1	RGD1563516	690148	1,49	up
5628431	7264797	1534438	similar to homeobox-containing transcription factor	RGD1561431	500125	1,66	down
6123141	7158408	1271349	similar to HS1 binding protein	LOC679116	679116	1,17	up
5623954	7173846	1309615	similar to hypothetical protein	RGD1310571	361301	1,22	down
5698983	7130889	1203878	similar to hypothetical protein	RGD1563070	305812	1,07	up
5700329	7173846	1309613	similar to hypothetical protein	RGD1310571	361301	2,27	down
5790757	7074896	1068120	similar to hypothetical protein	LOC360479	360479	1,46	down
5825648	7173846	1309618	similar to hypothetical protein	RGD1310571	361301	1,23	up
5851062	7276650	1564155	similar to hypothetical protein	RGD1309931	362538	1,07	down
5881556	7074896	1068119	similar to hypothetical protein	LOC360479	360479	1,03	down
5893632	7173846	1309614	similar to hypothetical protein	RGD1310571	361301	1,14	down
5899458	7088489	1099530	similar to hypothetical protein	RGD1305539	303920	1,05	up
5905004	7276650	1564162	similar to hypothetical protein	RGD1309931	362538	1,71	down
5914327	7074896	1068116	similar to hypothetical protein	LOC360479	360479	1,41	up
5922822	7088489	1099530	similar to hypothetical protein	RGD1305539	303920	1,00	down
6036407	7130889	1203865	similar to hypothetical protein	RGD1563070	305812	1,21	down
6040799	7276650	1564109	similar to hypothetical protein	RGD1309931	362538	1,02	down
6056160	7074896	1068119	similar to hypothetical protein	LOC360479	360479	1,33	up
6092154	7074896	1068117	similar to hypothetical protein	LOC360479	360479	1,18	down
6126549	7254040	1507613	similar to hypothetical protein	RGD1562590	312365	2,25	down
6142310	7173846	1309613	similar to hypothetical protein	RGD1310571	361301	1,33	down
6190395	7074896	1068114	similar to hypothetical protein	LOC360479	360479	1,02	down
6191599	7074896	1068115	similar to hypothetical protein	LOC360479	360479	2,18	down
6207816	7074896	1068121	similar to hypothetical protein	LOC360479	360479	1,14	up
6292139	7130889	1203870	similar to hypothetical protein	RGD1563070	305812	2,48	down
6322048	7130889	1203881	similar to hypothetical protein	RGD1563070	305812	1,05	down
6328298	7130889	1203881	similar to hypothetical protein	RGD1563070	305812	1,09	down
6336853	7173846	1309613	similar to hypothetical protein	RGD1310571	361301	1,81	down
6369961	7173846	1309617	similar to hypothetical protein	RGD1310571	361301	1,38	up
6413982	7130889	1203864	similar to hypothetical protein	RGD1563070	305812	1,07	down
6435943	7254040	1507575	similar to hypothetical protein	RGD1562590	312365	1,54	down
6465312	7130889	1203869	similar to hypothetical protein	RGD1563070	305812	1,19	down
6479417	7173846	1309616	similar to hypothetical protein	RGD1310571	361301	1,01	up
6563737	7130889	1203879	similar to hypothetical protein	RGD1563070	305812	1,09	up
6564728	7173846	1309617	similar to hypothetical protein	RGD1310571	361301	1,11	up
6574274	7254040	1507575	similar to hypothetical protein	RGD1562590	312365	1,10	down
6583674	7173846	1309613	similar to hypothetical protein	RGD1310571	361301	1,07	down
6584263	7074896	1068118	similar to hypothetical protein	LOC360479	360479	1,00	up
6613971	7173846	1309613	similar to hypothetical protein	RGD1310571	361301	1,50	up
6694045	7074896	1068117	similar to hypothetical protein	LOC360479	360479	2,13	up
6698943	7130889	1203880	similar to hypothetical protein	RGD1563070	305812	1,47	down
6702934	7074896	1068113	similar to hypothetical protein	LOC360479	360479	1,21	down
6746018	7074896	1068121	similar to hypothetical protein	LOC360479	360479	1,08	down
5642953	7099156	1125616	similar to hypothetical protein A530094D01	RGD1306556	288744	2,01	down
5681587	7099156	1125621	similar to hypothetical protein A530094D01	RGD1306556	288744	1,05	up
6183629	7099156	1125621	similar to hypothetical protein A530094D01	RGD1306556	288744	2,04	up
5687333	7350993	1747480	similar to hypothetical protein A730098P15	RGD1565726	363167	1,44	down
6297628	7350993	1747481	similar to hypothetical protein A730098P15	RGD1565726	363167	1,11	up
6337029	7350993	1747489	similar to hypothetical protein A730098P15	RGD1565726	363167	1,04	down
5625870	7108300	1147836	similar to hypothetical protein D230039L06	RGD1560572	498294	1,15	up
6018445	7108300	1147862	similar to hypothetical protein D230039L06	RGD1560572	498294	1,02	up
6068380	7108300	1147849	similar to hypothetical protein D230039L06	RGD1560572	498294	1,18	down
6237175	7108300	1147849	similar to hypothetical protein D230039L06	RGD1560572	498294	1,29	up
6451210	7108300	1147835	similar to hypothetical protein D230039L06	RGD1560572	498294	1,25	up

6527142	7108300	1147862	similar to hypothetical protein D230039L06	RGD1560572	498294	1,04	down
6594325	7108300	1147849	similar to hypothetical protein D230039L06	RGD1560572	498294	1,26	up
5618916	7113339	1160719	similar to hypothetical protein FLJ10706	LOC498265	498265	1,79	up
5674147	7113339	1160711	similar to hypothetical protein FLJ10706	LOC498265	498265	1,05	down
5676051	7113339	1160710	similar to hypothetical protein FLJ10706	LOC498265	498265	1,87	up
5836736	7113339	1160728	similar to hypothetical protein FLJ10706	LOC498265	498265	1,08	down
5874583	7113339	1160713	similar to hypothetical protein FLJ10706	LOC498265	498265	1,30	down
5973022	7113339	1160721	similar to hypothetical protein FLJ10706	LOC498265	498265	1,89	up
6015435	7113339	1160731	similar to hypothetical protein FLJ10706	LOC498265	498265	1,02	down
6017291	7113339	1160715	similar to hypothetical protein FLJ10706	LOC498265	498265	1,16	down
6068643	7113339	1160708	similar to hypothetical protein FLJ10706	LOC498265	498265	1,34	down
6135900	7113339	1160722	similar to hypothetical protein FLJ10706	LOC498265	498265	1,16	down
6136049	7113339	1160725	similar to hypothetical protein FLJ10706	LOC498265	498265	1,28	down
6147552	7113339	1160720	similar to hypothetical protein FLJ10706	LOC498265	498265	1,02	up
6194263	7113339	1160721	similar to hypothetical protein FLJ10706	LOC498265	498265	1,26	down
6283753	7113339	1160727	similar to hypothetical protein FLJ10706	LOC498265	498265	1,07	down
6314788	7113339	1160713	similar to hypothetical protein FLJ10706	LOC498265	498265	1,12	down
6318895	7113339	1160717	similar to hypothetical protein FLJ10706	LOC498265	498265	1,26	up
6354401	7113339	1160731	similar to hypothetical protein FLJ10706	LOC498265	498265	1,12	up
6441347	7113339	1160716	similar to hypothetical protein FLJ10706	LOC498265	498265	1,03	down
6493146	7113339	1160724	similar to hypothetical protein FLJ10706	LOC498265	498265	1,07	down
6520899	7113339	1160730	similar to hypothetical protein FLJ10706	LOC498265	498265	1,04	down
6531892	7113339	1160726	similar to hypothetical protein FLJ10706	LOC498265	498265	1,27	down
6566855	7113339	1160729	similar to hypothetical protein FLJ10706	LOC498265	498265	1,01	up
6629952	7113339	1160718	similar to hypothetical protein FLJ10706	LOC498265	498265	1,31	up
6670438	7113339	1160723	similar to hypothetical protein FLJ10706	LOC498265	498265	1,45	down
6688451	7113339	1160715	similar to hypothetical protein FLJ10706	LOC498265	498265	3,32	up
6688901	7113339	1160712	similar to hypothetical protein FLJ10706	LOC498265	498265	1,14	up
6701120	7113339	1160709	similar to hypothetical protein FLJ10706	LOC498265	498265	1,05	up
6717048	7113339	1160714	similar to hypothetical protein FLJ10706	LOC498265	498265	1,26	up
5884414	7255508	1511313	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,11	up
6001441	7255508	1511312	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,05	up
6107525	7255508	1511317	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,25	down
6153033	7255508	1511313	similar to hypothetical protein FLJ12056	RGD1561200	500230	2,44	up
6275316	7255508	1511314	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,21	down
6475484	7255508	1511315	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,35	up
6493782	7255508	1511313	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,11	down
6549782	7255508	1511318	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,18	down
6736874	7255508	1511316	similar to hypothetical protein FLJ12056	RGD1561200	500230	1,13	down
5765769	7318596	1668925	similar to hypothetical protein FLJ12242	RGD1311154	300317	2,23	up
5906390	7318596	1668926	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,24	up
6166024	7318596	1668931	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,33	up
6214316	7318596	1668936	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,36	up
6436539	7318596	1668929	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,16	up
6498954	7318596	1668936	similar to hypothetical protein FLJ12242	RGD1311154	300317	2,81	down
6656054	7318596	1668928	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,21	down
6687367	7318596	1668938	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,16	up
5629785	7194017	1360789	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,16	down
5655465	7194017	1360786	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,13	up
5786827	7194017	1360779	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,45	down
5791125	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,11	down
5839461	7194017	1360790	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,38	down
5909838	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,08	down
5925124	7194017	1360785	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,14	down
5970521	7194017	1360779	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,06	down
5989783	7194017	1360793	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,37	down

6067218	7194017	1360780	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,05	up
6070186	7194017	1360782	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,08	up
6073272	7194017	1360787	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,30	up
6112713	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,28	down
6122177	7194017	1360783	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,07	down
6141837	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,14	down
6296131	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,01	down
6308780	7194017	1360784	similar to hypothetical protein FLJ12661	RGD1309403	310417	2,36	up
6331928	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,42	up
6343538	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,27	up
6551851	7194017	1360791	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,16	up
6587260	7194017	1360788	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,03	up
6676724	7194017	1360793	similar to hypothetical protein FLJ12661	RGD1309403	310417	1,28	down
5664620	7236851	1465387	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,32	up
5682585	7236851	1465398	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,20	down
5703663	7236851	1465386	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,01	down
5760947	7236851	1465386	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,03	up
5930443	7236851	1465380	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,31	down
5979368	7236851	1465383	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,05	down
6030242	7236851	1465382	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,20	down
6041074	7236851	1465384	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,06	up
6045827	7236851	1465393	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,18	down
6129999	7236851	1465382	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,11	down
6142395	7236851	1465383	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,06	up
6166668	7236851	1465391	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,13	up
6334127	7236851	1465394	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,28	up
6388614	7236851	1465392	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,04	down
6424066	7236851	1465390	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,17	up
6430265	7236851	1465382	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,50	down
6503099	7236851	1465382	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,30	up
6606369	7236851	1465398	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,00	up
6672173	7236851	1465381	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,21	down
6698903	7236851	1465389	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,06	up
6736252	7236851	1465388	similar to hypothetical protein FLJ13045	RGD1307615	362084	1,24	up
5679940	7190534	1351209	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,34	up
5751686	7190534	1351216	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,20	up
5796179	7190534	1351241	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,78	down
5836398	7190534	1351224	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,41	up
5897087	7190534	1351234	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,54	down
5976527	7190534	1351217	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,01	down
5994909	7190534	1351220	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,05	up
6095254	7190534	1351208	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,14	up
6100110	7190534	1351214	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,28	up
6106126	7190534	1351237	similar to hypothetical protein FLJ13231	RGD1310081	310137	2,06	down
6120386	7190534	1351235	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,16	down
6154049	7190534	1351237	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,32	up
6221841	7190534	1351210	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,42	up
6228188	7190534	1351215	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,06	down
6320827	7190534	1351219	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,45	up
6328857	7190534	1351229	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,44	up
6375241	7190534	1351226	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,15	up
6394901	7190534	1351236	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,11	down
6410533	7190534	1351223	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,13	up
6437019	7190534	1351213	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,43	up
6444031	7190534	1351211	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,25	up
6444120	7190534	1351233	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,68	up

6448327	7190534	1351218	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,00	down
6455710	7190534	1351239	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,04	down
6516958	7190534	1351231	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,08	down
6541943	7190534	1351239	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,41	down
6659921	7190534	1351212	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,33	up
6691828	7190534	1351226	similar to hypothetical protein FLJ13231	RGD1310081	310137	2,12	up
6699115	7190534	1351227	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,50	up
6721292	7190534	1351240	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,03	down
5656061	7283819	1582135	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,10	up
5659554	7283819	1582127	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,12	up
5737629	7283819	1582137	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,58	up
5826003	7283819	1582134	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,02	up
5966887	7283819	1582145	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,14	up
5968868	7283819	1582145	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,17	down
6058676	7283819	1582131	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,11	down
6095180	7283819	1582129	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,03	up
6148256	7283819	1582131	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,03	down
6282057	7283819	1582144	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,10	up
6425882	7283819	1582122	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,23	down
6440660	7283819	1582119	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,05	up
6458205	7283819	1582141	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,14	up
6576837	7283819	1582136	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,04	down
6607257	7283819	1582138	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,34	up
6626988	7283819	1582133	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,14	up
6657479	7283819	1582142	similar to hypothetical protein FLJ20171	RGD1560481	500409	1,30	up
6684127	7283819	1582127	similar to hypothetical protein FLJ20171	RGD1560481	500409	2,15	up
5836334	7098366	1123626	similar to hypothetical protein FLJ21127	RGD1566266	304486	1,27	down
6007577	7059584	1030563	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,02	up
6015337	7059584	1030560	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,04	up
6588547	7059584	1030561	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,46	up
6742927	7059584	1030562	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,08	down
5695187	7190582	1351384	similar to hypothetical protein FLJ30596	RGD1306809	365699	2,08	up
5795512	7190582	1351398	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,24	up
5853977	7190582	1351386	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,08	up
5919288	7190582	1351385	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,17	up
6017293	7190582	1351398	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,16	down
6097867	7190582	1351397	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,12	down
6187066	7190582	1351376	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,33	down
6239061	7190582	1351376	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,05	down
6386361	7190582	1351394	similar to hypothetical protein FLJ30596	RGD1306809	365699	2,02	down
6484415	7190582	1351396	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,07	down
6629071	7190582	1351387	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,11	up
6646109	7190582	1351391	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,14	up
6670509	7190582	1351383	similar to hypothetical protein FLJ30596	RGD1306809	365699	1,62	up
5670876	7031325	963572	similar to hypothetical protein FLJ32796	RGD1311142	361564	1,14	up
5964440	7031325	963570	similar to hypothetical protein FLJ32796	RGD1311142	361564	1,55	up
5964808	7031325	963574	similar to hypothetical protein FLJ32796	RGD1311142	361564	1,09	down
6168292	7031325	963571	similar to hypothetical protein FLJ32796	RGD1311142	361564	1,42	down
6228491	7031325	963570	similar to hypothetical protein FLJ32796	RGD1311142	361564	1,19	up
6417424	7031325	963570	similar to hypothetical protein FLJ32796	RGD1311142	361564	1,01	up
6559396	7031325	963574	similar to hypothetical protein FLJ32796	RGD1311142	361564	1,35	up
5693084	7112672	1158997	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,00	down
5698454	7112672	1158985	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,50	up
5819098	7112672	1158981	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,08	up
5854346	7112672	1158989	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,67	down
5857703	7112672	1158991	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,17	up

5906582	7112672	1158979	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,45	up
6067327	7112672	1159004	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,09	up
6091430	7112672	1158985	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,27	up
6138218	7112672	1158998	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	2,08	up
6195040	7112672	1158983	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,85	down
6369887	7112672	1159005	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,57	up
6388749	7112672	1158987	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,41	up
6430305	7112672	1159001	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,10	down
6471101	7112672	1158984	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,07	down
6536910	7112672	1158990	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,45	down
6538013	7112672	1159005	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,07	down
6561177	7112672	1158982	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,18	up
6582473	7112672	1159006	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	2,12	down
6583904	7112672	1158990	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,39	down
6585092	7112672	1159000	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,13	down
6599332	7112672	1158994	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,27	up
6611991	7112672	1158992	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,34	down
6657708	7112672	1158993	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,29	down
6667436	7112672	1158996	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,02	up
5940348	7095956	1117046	similar to Hypothetical protein LOC73072	RGD1566084	501795	1,66	down
5623827	7242490	1479424	similar to hypothetical protein MGC25461	RGD1306717	311257	1,32	down
5697732	7242490	1479443	similar to hypothetical protein MGC25461	RGD1306717	311257	1,12	up
5743202	7242490	1479437	similar to hypothetical protein MGC25461	RGD1306717	311257	1,68	up
5752193	7242490	1479445	similar to hypothetical protein MGC25461	RGD1306717	311257	1,14	down
5763233	7242490	1479424	similar to hypothetical protein MGC25461	RGD1306717	311257	1,38	up
5774645	7242490	1479447	similar to hypothetical protein MGC25461	RGD1306717	311257	1,20	up
5788840	7242490	1479448	similar to hypothetical protein MGC25461	RGD1306717	311257	1,39	up
5824153	7242490	1479443	similar to hypothetical protein MGC25461	RGD1306717	311257	1,01	down
5888791	7242490	1479444	similar to hypothetical protein MGC25461	RGD1306717	311257	1,01	down
5893176	7242490	1479439	similar to hypothetical protein MGC25461	RGD1306717	311257	1,22	up
6038084	7242490	1479452	similar to hypothetical protein MGC25461	RGD1306717	311257	1,36	down
6082587	7242490	1479451	similar to hypothetical protein MGC25461	RGD1306717	311257	1,19	down
6104594	7242490	1479449	similar to hypothetical protein MGC25461	RGD1306717	311257	1,10	up
6118498	7242490	1479425	similar to hypothetical protein MGC25461	RGD1306717	311257	1,08	down
6166169	7242490	1479438	similar to hypothetical protein MGC25461	RGD1306717	311257	1,00	down
6204376	7242490	1479446	similar to hypothetical protein MGC25461	RGD1306717	311257	2,37	down
6214553	7242490	1479441	similar to hypothetical protein MGC25461	RGD1306717	311257	1,00	up
6293383	7242490	1479455	similar to hypothetical protein MGC25461	RGD1306717	311257	1,18	down
6295884	7242490	1479453	similar to hypothetical protein MGC25461	RGD1306717	311257	1,12	down
6329836	7242490	1479443	similar to hypothetical protein MGC25461	RGD1306717	311257	1,15	down
6333710	7242490	1479429	similar to hypothetical protein MGC25461	RGD1306717	311257	1,40	up
6376504	7242490	1479450	similar to hypothetical protein MGC25461	RGD1306717	311257	1,18	down
6499374	7242490	1479452	similar to hypothetical protein MGC25461	RGD1306717	311257	1,20	up
6516025	7242490	1479424	similar to hypothetical protein MGC25461	RGD1306717	311257	1,03	down
6523046	7242490	1479431	similar to hypothetical protein MGC25461	RGD1306717	311257	1,10	down
6645605	7242490	1479434	similar to hypothetical protein MGC25461	RGD1306717	311257	1,19	up
6678949	7242490	1479424	similar to hypothetical protein MGC25461	RGD1306717	311257	1,10	up
6683612	7242490	1479435	similar to hypothetical protein MGC25461	RGD1306717	311257	1,14	up
6691344	7242490	1479426	similar to hypothetical protein MGC25461	RGD1306717	311257	1,01	down
6731017	7242490	1479430	similar to hypothetical protein MGC25461	RGD1306717	311257	1,30	down
6734666	7242490	1479436	similar to hypothetical protein MGC25461	RGD1306717	311257	1,28	down
5688072	7255755	1511914	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,43	down
5724763	7255755	1511923	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,06	up
5735807	7255755	1511916	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,29	up
5825055	7255755	1511924	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,06	down
5853244	7255755	1511917	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,24	down

6101548	7255755	1511920	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,07	up
6110081	7255755	1511918	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,01	up
6144858	7255755	1511921	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,39	down
6305644	7255755	1511923	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,38	down
6495130	7255755	1511919	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,00	up
6517273	7255755	1511915	similar to Hypothetical protein MGC25529	RGD1306746	312511	2,04	down
5749971	7040655	986962	similar to hypothetical protein MGC34760	RGD1359349	361744	1,05	up
5929314	7040655	986965	similar to hypothetical protein MGC34760	RGD1359349	361744	1,19	down
6316631	7040655	986964	similar to hypothetical protein MGC34760	RGD1359349	361744	1,37	up
6349698	7040655	986963	similar to hypothetical protein MGC34760	RGD1359349	361744	1,29	up
6516082	7040655	986965	similar to hypothetical protein MGC34760	RGD1359349	361744	1,05	down
6586233	7040655	986965	similar to hypothetical protein MGC34760	RGD1359349	361744	2,35	down
6592794	7040655	986962	similar to hypothetical protein MGC34760	RGD1359349	361744	1,01	down
5829998	7059429	1030246	similar to hypothetical protein MGC37914	RGD1307603	293656	1,02	up
5965910	7059429	1030247	similar to hypothetical protein MGC37914	RGD1307603	293656	1,20	up
6049941	7059429	1030244	similar to hypothetical protein MGC37914	RGD1307603	293656	1,09	up
6221442	7059429	1030249	similar to hypothetical protein MGC37914	RGD1307603	293656	1,52	down
6305313	7059429	1030242	similar to hypothetical protein MGC37914	RGD1307603	293656	1,32	up
6357081	7059429	1030241	similar to hypothetical protein MGC37914	RGD1307603	293656	2,43	up
6625804	7059429	1030245	similar to hypothetical protein MGC37914	RGD1307603	293656	1,45	down
5744163	7290585	1598178	similar to hypothetical protein MGC47816	RGD1306880	313553	2,40	down
6423785	7083030	1086272	similar to Integrin alpha-IIb precursor (Platelet membrane glycoprotein IIb) (GPAI β)	LOC685269	685269	1,03	down
6702097	7083030	1086243	similar to Integrin alpha-IIb precursor (Platelet membrane glycoprotein IIb) (GPAI β)	LOC685269	685269	1,25	down
6395448	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	6,18	up
6458418	7170909	1302052	similar to interferon-inducible GTPase	MGC108823	307414	1,04	down
6496597	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	7,64	up
6553314	7170909	1302054	similar to interferon-inducible GTPase	MGC108823	307414	1,33	down
6634436	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	6,61	up
6641304	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	5,30	down
6665677	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	1,25	down
5624604	7374362	1807620	similar to IQ motif and Sec7 domain 2	LOC685244	685244	1,48	down
5652420	7374362	1807622	similar to IQ motif and Sec7 domain 2	LOC685244	685244	1,49	up
6447272	7374362	1807618	similar to IQ motif and Sec7 domain 2	LOC685244	685244	1,19	up
5629195	7370446	1796988	similar to jumonji domain containing 2B	LOC301128	301128	1,05	down
5652241	7370446	1797017	similar to jumonji domain containing 2B	LOC301128	301128	1,20	down
5703218	7370446	1796991	similar to jumonji domain containing 2B	LOC301128	301128	1,06	down
5707303	7370446	1796993	similar to jumonji domain containing 2B	LOC301128	301128	1,07	up
5742711	7370446	1796999	similar to jumonji domain containing 2B	LOC301128	301128	1,01	up
5771204	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,33	up
5784411	7370446	1797015	similar to jumonji domain containing 2B	LOC301128	301128	1,04	up
5792615	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,16	up
5886097	7370446	1796995	similar to jumonji domain containing 2B	LOC301128	301128	1,05	down
5965738	7370446	1797011	similar to jumonji domain containing 2B	LOC301128	301128	1,02	up
5965891	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,31	up
6003147	7370446	1797010	similar to jumonji domain containing 2B	LOC301128	301128	1,24	down
6019061	7370446	1797003	similar to jumonji domain containing 2B	LOC301128	301128	1,03	up
6128080	7370446	1797001	similar to jumonji domain containing 2B	LOC301128	301128	2,35	down
6155518	7370446	1796988	similar to jumonji domain containing 2B	LOC301128	301128	1,28	down
6175677	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,62	up
6205661	7370446	1796997	similar to jumonji domain containing 2B	LOC301128	301128	1,17	down
6215605	7370446	1796998	similar to jumonji domain containing 2B	LOC301128	301128	1,09	down
6221395	7370446	1797012	similar to jumonji domain containing 2B	LOC301128	301128	1,09	up
6295395	7370446	1797001	similar to jumonji domain containing 2B	LOC301128	301128	1,44	up
6324028	7370446	1797020	similar to jumonji domain containing 2B	LOC301128	301128	1,47	down
6353129	7370446	1797002	similar to jumonji domain containing 2B	LOC301128	301128	1,27	down
6409265	7370446	1796992	similar to jumonji domain containing 2B	LOC301128	301128	1,09	up

6434731	7370446	1796989	similar to jumonji domain containing 2B	LOC301128	301128	1,19	down
6438485	7370446	1797017	similar to jumonji domain containing 2B	LOC301128	301128	1,27	up
6441920	7370446	1797005	similar to jumonji domain containing 2B	LOC301128	301128	1,11	up
6442505	7370446	1796998	similar to jumonji domain containing 2B	LOC301128	301128	1,26	down
6486789	7370446	1796995	similar to jumonji domain containing 2B	LOC301128	301128	1,23	up
6579566	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,12	up
6624238	7370446	1796990	similar to jumonji domain containing 2B	LOC301128	301128	1,22	down
6632655	7370446	1797017	similar to jumonji domain containing 2B	LOC301128	301128	1,19	up
6650398	7370446	1797018	similar to jumonji domain containing 2B	LOC301128	301128	1,22	up
6712780	7370446	1797016	similar to jumonji domain containing 2B	LOC301128	301128	1,27	up
6513553	7191382	1353515	similar to keratin complex 1, acidic, gene 18	LOC683212	683212	1,32	down
6636863	7191382	1353518	similar to keratin complex 1, acidic, gene 18	LOC683212	683212	1,03	down
5650936	7271008	1549928	similar to KIAA0528 protein	RGD1304592	362461	1,04	up
5664313	7271008	1549965	similar to KIAA0528 protein	RGD1304592	362461	1,54	down
5665292	7271008	1549939	similar to KIAA0528 protein	RGD1304592	362461	1,44	up
5699659	7271008	1549957	similar to KIAA0528 protein	RGD1304592	362461	1,16	up
5711799	7271008	1549936	similar to KIAA0528 protein	RGD1304592	362461	1,08	down
5758777	7271008	1549944	similar to KIAA0528 protein	RGD1304592	362461	1,11	down
5760363	7271008	1549930	similar to KIAA0528 protein	RGD1304592	362461	1,03	up
5772786	7271008	1549932	similar to KIAA0528 protein	RGD1304592	362461	1,04	down
5774034	7271008	1549945	similar to KIAA0528 protein	RGD1304592	362461	1,52	up
5774186	7271008	1549933	similar to KIAA0528 protein	RGD1304592	362461	1,24	up
5838398	7271008	1549940	similar to KIAA0528 protein	RGD1304592	362461	1,36	up
5843618	7271008	1549947	similar to KIAA0528 protein	RGD1304592	362461	1,49	down
5844578	7271008	1549941	similar to KIAA0528 protein	RGD1304592	362461	1,13	down
5848370	7271008	1549931	similar to KIAA0528 protein	RGD1304592	362461	1,08	up
5884123	7271008	1549942	similar to KIAA0528 protein	RGD1304592	362461	1,44	up
5956918	7271008	1549949	similar to KIAA0528 protein	RGD1304592	362461	1,80	down
6070911	7271008	1549962	similar to KIAA0528 protein	RGD1304592	362461	1,09	down
6122707	7271008	1549976	similar to KIAA0528 protein	RGD1304592	362461	1,19	up
6169709	7271008	1549959	similar to KIAA0528 protein	RGD1304592	362461	1,15	down
6267148	7271008	1549937	similar to KIAA0528 protein	RGD1304592	362461	1,14	down
6385045	7271008	1549977	similar to KIAA0528 protein	RGD1304592	362461	2,26	up
6495136	7271008	1549968	similar to KIAA0528 protein	RGD1304592	362461	1,35	down
6552380	7271008	1549943	similar to KIAA0528 protein	RGD1304592	362461	1,09	down
6636085	7271008	1549967	similar to KIAA0528 protein	RGD1304592	362461	1,64	down
6659540	7271008	1549938	similar to KIAA0528 protein	RGD1304592	362461	1,24	up
6661599	7271008	1549967	similar to KIAA0528 protein	RGD1304592	362461	1,17	down
6662850	7271008	1549970	similar to KIAA0528 protein	RGD1304592	362461	1,39	down
6691247	7271008	1549928	similar to KIAA0528 protein	RGD1304592	362461	1,13	down
6745685	7271008	1549971	similar to KIAA0528 protein	RGD1304592	362461	1,13	down
5628017	7293402	1604862	similar to KIAA0833 protein	LOC362665	362665	1,28	up
6437525	7293402	1604869	similar to KIAA0833 protein	LOC362665	362665	1,05	up
6636344	7293402	1604869	similar to KIAA0833 protein	LOC362665	362665	1,06	up
6649914	7293402	1604861	similar to KIAA0833 protein	LOC362665	362665	1,13	up
5657792	7322020	1676639	similar to KIAA1086 protein	RGD1304737	314639	1,42	down
5695094	7322020	1676648	similar to KIAA1086 protein	RGD1304737	314639	1,13	up
5755196	7322020	1676637	similar to KIAA1086 protein	RGD1304737	314639	1,82	down
5808717	7322020	1676645	similar to KIAA1086 protein	RGD1304737	314639	1,45	up
5826589	7322020	1676638	similar to KIAA1086 protein	RGD1304737	314639	1,18	down
5935839	7322020	1676640	similar to KIAA1086 protein	RGD1304737	314639	1,11	up
5939223	7322020	1676649	similar to KIAA1086 protein	RGD1304737	314639	1,06	up
6083588	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	1,48	down
6092551	7322020	1676644	similar to KIAA1086 protein	RGD1304737	314639	1,13	up
6126208	7322020	1676652	similar to KIAA1086 protein	RGD1304737	314639	2,60	down
6146208	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	1,04	up

6216728	7322020	1676647	similar to KIAA1086 protein	RGD1304737	314639	1,09	down
6305273	7322020	1676641	similar to KIAA1086 protein	RGD1304737	314639	1,08	up
6318661	7322020	1676648	similar to KIAA1086 protein	RGD1304737	314639	1,12	up
6365030	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	1,84	down
6373942	7322020	1676650	similar to KIAA1086 protein	RGD1304737	314639	1,16	down
6521408	7322020	1676635	similar to KIAA1086 protein	RGD1304737	314639	1,34	up
6535281	7322020	1676643	similar to KIAA1086 protein	RGD1304737	314639	1,14	down
6564054	7322020	1676642	similar to KIAA1086 protein	RGD1304737	314639	1,00	up
6623606	7322020	1676638	similar to KIAA1086 protein	RGD1304737	314639	1,04	up
6625296	7322020	1676636	similar to KIAA1086 protein	RGD1304737	314639	1,09	up
6672888	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	1,00	up
5643313	7212735	1405016	similar to KIAA1324 protein	RGD1310209	362019	1,27	up
5691941	7212735	1405034	similar to KIAA1324 protein	RGD1310209	362019	2,17	up
5723812	7212735	1405008	similar to KIAA1324 protein	RGD1310209	362019	1,00	down
5757081	7212735	1405018	similar to KIAA1324 protein	RGD1310209	362019	1,16	down
5766219	7212735	1405033	similar to KIAA1324 protein	RGD1310209	362019	1,03	down
5775493	7212735	1405013	similar to KIAA1324 protein	RGD1310209	362019	1,28	up
6138465	7212735	1405010	similar to KIAA1324 protein	RGD1310209	362019	1,04	down
6172525	7212735	1405023	similar to KIAA1324 protein	RGD1310209	362019	1,24	down
6282303	7212735	1405019	similar to KIAA1324 protein	RGD1310209	362019	1,14	up
6294927	7212735	1405015	similar to KIAA1324 protein	RGD1310209	362019	1,10	down
6333431	7212735	1405005	similar to KIAA1324 protein	RGD1310209	362019	1,44	up
6336951	7212735	1405017	similar to KIAA1324 protein	RGD1310209	362019	1,07	down
6376977	7212735	1405020	similar to KIAA1324 protein	RGD1310209	362019	1,03	down
6410691	7212735	1405011	similar to KIAA1324 protein	RGD1310209	362019	1,09	up
6448901	7212735	1405009	similar to KIAA1324 protein	RGD1310209	362019	1,26	down
6479653	7212735	1405004	similar to KIAA1324 protein	RGD1310209	362019	1,10	up
6488019	7212735	1405003	similar to KIAA1324 protein	RGD1310209	362019	1,09	down
6532480	7212735	1405034	similar to KIAA1324 protein	RGD1310209	362019	1,53	up
6621380	7212735	1405012	similar to KIAA1324 protein	RGD1310209	362019	1,07	up
6666945	7212735	1405014	similar to KIAA1324 protein	RGD1310209	362019	1,20	up
6699982	7212735	1405007	similar to KIAA1324 protein	RGD1310209	362019	1,09	down
5698297	7072765	1062727	similar to KIAA1636 protein	RGD1309285	303599	1,17	up
5738970	7072765	1062720	similar to KIAA1636 protein	RGD1309285	303599	1,01	up
5933239	7072765	1062728	similar to KIAA1636 protein	RGD1309285	303599	1,01	down
5942904	7072765	1062709	similar to KIAA1636 protein	RGD1309285	303599	1,25	up
5973384	7072765	1062727	similar to KIAA1636 protein	RGD1309285	303599	1,01	up
6144399	7072765	1062724	similar to KIAA1636 protein	RGD1309285	303599	1,05	up
6258488	7072765	1062725	similar to KIAA1636 protein	RGD1309285	303599	1,21	up
6436345	7072765	1062719	similar to KIAA1636 protein	RGD1309285	303599	1,03	up
6526382	7072765	1062730	similar to KIAA1636 protein	RGD1309285	303599	1,00	up
6668836	7072765	1062711	similar to KIAA1636 protein	RGD1309285	303599	1,44	up
5816922	7072765	1062707	similar to KIAA1636 protein /// hypothetical protein LOC688431	RGD1309285 /// LOC68	303599 /// 688431	1,20	up
6046200	7072765	1062707	similar to KIAA1636 protein /// hypothetical protein LOC688431	RGD1309285 /// LOC68	303599 /// 688431	1,18	up
6446598	7072765	1062707	similar to KIAA1636 protein /// hypothetical protein LOC688431	RGD1309285 /// LOC68	303599 /// 688431	1,18	up
5669583	7168403	1295566	similar to KIAA1713 protein	RGD1305869	307555	1,25	down
5685304	7168403	1295559	similar to KIAA1713 protein	RGD1305869	307555	1,20	down
5746414	7168403	1295582	similar to KIAA1713 protein	RGD1305869	307555	1,48	up
5803374	7168403	1295548	similar to KIAA1713 protein	RGD1305869	307555	1,15	down
5911600	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	2,25	down
5913621	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,34	up
5915494	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,05	up
6070311	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,07	down
6081311	7168403	1295570	similar to KIAA1713 protein	RGD1305869	307555	1,27	down
6118779	7168403	1295567	similar to KIAA1713 protein	RGD1305869	307555	1,16	up
6123569	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,20	down

6182644	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,06	up
6210482	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,44	up
6222449	7168403	1295554	similar to KIAA1713 protein	RGD1305869	307555	1,01	up
6371622	7168403	1295579	similar to KIAA1713 protein	RGD1305869	307555	1,01	down
6488502	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,54	up
6536078	7168403	1295545	similar to KIAA1713 protein	RGD1305869	307555	1,01	up
6593058	7168403	1295560	similar to KIAA1713 protein	RGD1305869	307555	1,63	up
6603288	7168403	1295554	similar to KIAA1713 protein	RGD1305869	307555	1,17	down
6682056	7168403	1295581	similar to KIAA1713 protein	RGD1305869	307555	1,09	up
6691224	7168403	1295554	similar to KIAA1713 protein	RGD1305869	307555	1,11	down
6696455	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,39	up
6706068	7168403	1295584	similar to KIAA1713 protein	RGD1305869	307555	1,11	up
6729968	7168403	1295579	similar to KIAA1713 protein	RGD1305869	307555	1,07	up
6741651	7168403	1295564	similar to KIAA1713 protein	RGD1305869	307555	1,22	down
6743585	7168403	1295570	similar to KIAA1713 protein	RGD1305869	307555	1,15	up
5670682	7368002	1789317	similar to lipid droplet associated protein	LOC501283	501283	1,14	down
5704295	7368002	1789320	similar to lipid droplet associated protein	LOC501283	501283	1,00	up
5819371	7368002	1789323	similar to lipid droplet associated protein	LOC501283	501283	1,44	up
5843423	7368002	1789318	similar to lipid droplet associated protein	LOC501283	501283	1,54	up
6097740	7368002	1789317	similar to lipid droplet associated protein	LOC501283	501283	1,02	up
6108765	7368002	1789316	similar to lipid droplet associated protein	LOC501283	501283	1,00	up
6142955	7368002	1789326	similar to lipid droplet associated protein	LOC501283	501283	1,37	down
6157009	7368002	1789323	similar to lipid droplet associated protein	LOC501283	501283	1,38	down
6190621	7368002	1789325	similar to lipid droplet associated protein	LOC501283	501283	1,15	down
6215808	7368002	1789319	similar to lipid droplet associated protein	LOC501283	501283	1,17	up
6230738	7368002	1789322	similar to lipid droplet associated protein	LOC501283	501283	1,05	up
6335313	7368002	1789324	similar to lipid droplet associated protein	LOC501283	501283	1,08	down
6518034	7368002	1789321	similar to lipid droplet associated protein	LOC501283	501283	2,35	down
5729999	7237438	1466789	similar to LOC495800 protein	LOC499770	499770	2,18	up
5984667	7237438	1466788	similar to LOC495800 protein	LOC499770	499770	1,16	up
6132704	7237438	1466791	similar to LOC495800 protein	LOC499770	499770	1,30	up
6290474	7237438	1466790	similar to LOC495800 protein	LOC499770	499770	1,16	down
6319746	7237438	1466784	similar to LOC495800 protein	LOC499770	499770	1,16	down
6360181	7237438	1466782	similar to LOC495800 protein	LOC499770	499770	1,11	up
6431041	7237438	1466785	similar to LOC495800 protein	LOC499770	499770	1,01	up
6509469	7237438	1466780	similar to LOC495800 protein	LOC499770	499770	1,83	down
6544941	7237438	1466783	similar to LOC495800 protein	LOC499770	499770	1,16	up
5870715	7185483	1338939	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,38	down
5901222	7185483	1338938	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,44	down
5983680	7185483	1338941	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,08	up
6020370	7185483	1338940	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,18	up
6108659	7185483	1338924	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,31	down
6166139	7185483	1338936	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,10	up
6169510	7185483	1338931	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,10	up
6197251	7185483	1338932	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,01	up
6269033	7185483	1338939	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	2,23	down
6386798	7185483	1338937	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,24	down
6448354	7185483	1338933	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,07	up
6467796	7185483	1338930	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,10	down
6480337	7185483	1338925	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,09	down
6555014	7185483	1338935	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,30	down
6574753	7185483	1338934	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,22	up
5748095	7069253	1054173	similar to Map4k6-pending protein	LOC303259	303259	1,01	up
5771042	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,47	down
5956706	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,06	down
6098549	7069253	1054172	similar to Map4k6-pending protein	LOC303259	303259	1,06	down

6170908	7069253	1054174	similar to Map4k6-pending protein	LOC303259	303259	1,03	up
6201792	7069253	1054172	similar to Map4k6-pending protein	LOC303259	303259	1,19	down
6235422	7069253	1054175	similar to Map4k6-pending protein	LOC303259	303259	1,08	down
6361373	7069253	1054175	similar to Map4k6-pending protein	LOC303259	303259	1,15	down
6533174	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,01	down
6615881	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,70	down
6665217	7069253	1054175	similar to Map4k6-pending protein	LOC303259	303259	1,24	down
5865088	7368954	1792787	similar to MIC2 like 1	LOC680643	680643	2,32	down
6409975	7368804	1792264	similar to MIC2 like 1	LOC681166	681166	1,07	down
5711236	7368804	1792257	similar to MIC2 like 1 /// similar to MIC2 like 1	LOC681166 /// LOC363	681166 /// 363413	1,62	down
6378525	7368804	1792262	similar to MIC2 like 1 /// similar to MIC2 like 1	LOC363413 /// LOC681	363413 /// 681166	1,32	down
5882913	7368804	1792263	similar to MIC2 like 1 /// similar to nidogen 2 /// similar to nidogen 2	LOC316873 /// LOC681	316873 /// 681166	2,30	down
5680274	7182133	1330829	similar to Mixed lineage kinase 4	RGD1306091	307950	1,30	up
5722358	7182133	1330836	similar to Mixed lineage kinase 4	RGD1306091	307950	1,35	up
5781080	7182133	1330839	similar to Mixed lineage kinase 4	RGD1306091	307950	1,30	up
5873708	7182133	1330841	similar to Mixed lineage kinase 4	RGD1306091	307950	1,08	down
5879270	7182133	1330840	similar to Mixed lineage kinase 4	RGD1306091	307950	1,59	up
6104597	7182133	1330834	similar to Mixed lineage kinase 4	RGD1306091	307950	1,05	up
6177708	7182133	1330841	similar to Mixed lineage kinase 4	RGD1306091	307950	1,17	up
6194801	7182133	1330835	similar to Mixed lineage kinase 4	RGD1306091	307950	1,75	down
6238354	7182133	1330838	similar to Mixed lineage kinase 4	RGD1306091	307950	1,09	up
6251618	7182133	1330830	similar to Mixed lineage kinase 4	RGD1306091	307950	1,36	up
6438319	7182133	1330832	similar to Mixed lineage kinase 4	RGD1306091	307950	1,14	up
6460737	7182133	1330839	similar to Mixed lineage kinase 4	RGD1306091	307950	2,19	down
6735478	7182133	1330842	similar to Mixed lineage kinase 4	RGD1306091	307950	1,19	up
5765095	7244290	1484169	similar to mKIAA0256 protein	RGD1559930	296115	1,27	down
6242074	7244290	1484145	similar to mKIAA0256 protein	RGD1559930	296115	1,51	up
6558283	7132024	1206336	similar to mKIAA0323 protein	RGD1565688	498517	1,15	down
5796284	7209927	1398950	similar to mKIAA1450 protein	RGD1562174	310538	1,43	down
5837634	7209927	1398916	similar to mKIAA1450 protein	RGD1562174	310538	1,02	down
6066258	7209927	1398944	similar to mKIAA1450 protein	RGD1562174	310538	1,30	up
6312026	7209927	1398916	similar to mKIAA1450 protein	RGD1562174	310538	1,13	down
6640774	7209927	1398916	similar to mKIAA1450 protein	RGD1562174	310538	1,18	down
5680727	7266725	1538789	similar to mKIAA1940 protein	RGD1566130	312504	1,54	down
5741907	7266725	1538792	similar to mKIAA1940 protein	RGD1566130	312504	1,33	up
5748202	7266725	1538783	similar to mKIAA1940 protein	RGD1566130	312504	1,15	up
5816729	7266725	1538786	similar to mKIAA1940 protein	RGD1566130	312504	1,22	up
5859983	7266725	1538788	similar to mKIAA1940 protein	RGD1566130	312504	1,11	up
5880199	7266725	1538782	similar to mKIAA1940 protein	RGD1566130	312504	1,05	down
5910723	7266725	1538791	similar to mKIAA1940 protein	RGD1566130	312504	2,30	up
5937077	7266725	1538788	similar to mKIAA1940 protein	RGD1566130	312504	1,03	down
5986626	7266725	1538781	similar to mKIAA1940 protein	RGD1566130	312504	1,03	down
6105729	7266725	1538786	similar to mKIAA1940 protein	RGD1566130	312504	1,53	up
6161446	7266725	1538779	similar to mKIAA1940 protein	RGD1566130	312504	1,06	down
6194260	7266725	1538780	similar to mKIAA1940 protein	RGD1566130	312504	1,52	down
6348720	7266725	1538790	similar to mKIAA1940 protein	RGD1566130	312504	1,80	down
6388548	7266725	1538790	similar to mKIAA1940 protein	RGD1566130	312504	1,14	up
6531501	7266725	1538780	similar to mKIAA1940 protein	RGD1566130	312504	1,63	down
6670491	7266725	1538787	similar to mKIAA1940 protein	RGD1566130	312504	1,17	up
5854590	7249503	1496157	similar to Myeloid/lymphoid or mixed-lineage leukemia protein 3 homolog (Histo	LOC502710	502710	1,19	up
6083625	7249503	1496206	similar to Myeloid/lymphoid or mixed-lineage leukemia protein 3 homolog (Histo	LOC502710	502710	1,27	up
6105382	7249503	1496240	similar to Myeloid/lymphoid or mixed-lineage leukemia protein 3 homolog (Histo	LOC502710	502710	1,50	down
6186346	7249503	1496240	similar to Myeloid/lymphoid or mixed-lineage leukemia protein 3 homolog (Histo	LOC502710	502710	1,21	up
6385650	7249503	1496240	similar to Myeloid/lymphoid or mixed-lineage leukemia protein 3 homolog (Histo	LOC502710	502710	1,18	up
6746756	7249503	1496240	similar to Myeloid/lymphoid or mixed-lineage leukemia protein 3 homolog (Histo	LOC502710	502710	1,42	up
5627032	7228530	1443849	similar to myosin IIIB	RGD1560313	366069	1,47	down

5654656	7228530	1443843	similar to myosin IIIB	RGD1560313	366069	1,82	down
5666998	7228530	1443862	similar to myosin IIIB	RGD1560313	366069	1,09	down
5750818	7228530	1443840	similar to myosin IIIB	RGD1560313	366069	1,03	up
5784543	7228530	1443861	similar to myosin IIIB	RGD1560313	366069	1,19	up
5856900	7228530	1443842	similar to myosin IIIB	RGD1560313	366069	1,01	up
5915824	7228530	1443838	similar to myosin IIIB	RGD1560313	366069	1,03	up
5935940	7228530	1443831	similar to myosin IIIB	RGD1560313	366069	1,42	down
5964261	7228530	1443839	similar to myosin IIIB	RGD1560313	366069	1,03	up
5971989	7228530	1443837	similar to myosin IIIB	RGD1560313	366069	1,36	down
6063262	7228530	1443851	similar to myosin IIIB	RGD1560313	366069	1,19	up
6142890	7228530	1443798	similar to myosin IIIB	RGD1560313	366069	1,06	up
6153238	7228530	1443827	similar to myosin IIIB	RGD1560313	366069	1,38	down
6167395	7228530	1443836	similar to myosin IIIB	RGD1560313	366069	2,02	down
6235720	7228530	1443852	similar to myosin IIIB	RGD1560313	366069	2,30	down
6242648	7228530	1443794	similar to myosin IIIB	RGD1560313	366069	1,30	up
6257953	7228530	1443845	similar to myosin IIIB	RGD1560313	366069	1,25	down
6319405	7228530	1443883	similar to myosin IIIB	RGD1560313	366069	1,03	down
6359066	7228530	1443868	similar to myosin IIIB	RGD1560313	366069	1,15	down
6360824	7228530	1443791	similar to myosin IIIB	RGD1560313	366069	1,32	down
6389021	7228530	1443881	similar to myosin IIIB	RGD1560313	366069	1,04	up
6417175	7228530	1443870	similar to myosin IIIB	RGD1560313	366069	1,16	down
6419051	7228530	1443859	similar to myosin IIIB	RGD1560313	366069	1,58	down
6440850	7228530	1443809	similar to myosin IIIB	RGD1560313	366069	1,14	up
6443882	7228530	1443790	similar to myosin IIIB	RGD1560313	366069	1,05	up
6487742	7228530	1443867	similar to myosin IIIB	RGD1560313	366069	1,05	down
6494680	7228530	1443850	similar to myosin IIIB	RGD1560313	366069	1,01	down
6498536	7228530	1443795	similar to myosin IIIB	RGD1560313	366069	1,20	up
6586789	7228530	1443847	similar to myosin IIIB	RGD1560313	366069	1,08	down
6640168	7228530	1443790	similar to myosin IIIB	RGD1560313	366069	1,14	up
5792043	7069830	1055595	similar to myosin XVIIIa	LOC360570	360570	1,04	down
5918849	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,05	down
5933822	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,49	down
6015243	7069830	1055652	similar to myosin XVIIIa	LOC360570	360570	1,10	up
6037797	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,43	up
6384988	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,07	down
6430178	7069830	1055650	similar to myosin XVIIIa	LOC360570	360570	1,17	down
6523137	7069830	1055653	similar to myosin XVIIIa	LOC360570	360570	1,06	down
6544610	7069830	1055651	similar to myosin XVIIIa	LOC360570	360570	1,05	down
6652890	7069830	1055586	similar to myosin XVIIIa	LOC360570	360570	3,36	down
6732161	7069830	1055660	similar to myosin XVIIIa	LOC360570	360570	1,07	down
5623886	7040238	985995	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,12	up
5672191	7040238	985991	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,16	down
5784473	7040238	985995	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,07	up
5846468	7040238	985990	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,52	down
6017130	7040238	985992	similar to Nicotinamide riboside kinase 1	LOC499330	499330	2,05	up
6020644	7040238	985988	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,34	down
6071510	7040238	985993	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,51	up
6089416	7040238	985989	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,76	down
6327948	7040238	985988	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,10	up
6586298	7040238	985994	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,13	up
5869275	7368804	1792226	similar to nidogen 2	LOC365085	365085	1,08	down
6067129	7368804	1792251	similar to nidogen 2	LOC503361	503361	3,19	up
6410320	7369166	1793380	similar to nidogen 2	LOC305771	305771	1,71	down
5683733	7367748	1788252	similar to nidogen 2 /// similar to MIC2 like 1	3317070 /// LOC691	317070 /// 691241	2,22	up
5761116	7367748	1788255	similar to nidogen 2 /// similar to MIC2 like 1	3317070 /// LOC691	317070 /// 691241	1,90	up
5773007	7367748	1788251	similar to nidogen 2 /// similar to MIC2 like 1	3317070 /// LOC691	317070 /// 691241	1,29	down

6502800	7367748	1788256	similar to nidogen 2 /// similar to MIC2 like 1	3317070 /// LOC691 317070 /// 691241	1,20	down
6324867	7367748	1788253	similar to nidogen 2 /// similar to MIC2 like 1 /// similar to MIC2 like 1) /// LOC691241 /// D70 /// 691241 /// 688	1,02	down
5926408	7368804	1792251	similar to nidogen 2 /// similar to nidogen 2	3680933 /// LOC503 680933 /// 503361	1,04	up
6253006	7368804	1792251	similar to nidogen 2 /// similar to nidogen 2	3680933 /// LOC503 680933 /// 503361	2,23	up
6545566	7368804	1792226	similar to nidogen 2 /// similar to nidogen 2 /// similar to nidogen 2 protein /// simi3	316873 /// RGD156/ 316873 /// 498627 /	1,49	up
6069623	7369166	1793379	similar to nidogen 2 /// similar to nidogen 2 protein /// similar to nidogen 2 /// simi6	/// LOC503391 /// 527 /// 503391 /// 305	1,39	up
5688653	7369129	1793271	similar to nidogen 2 protein	LOC367622 367622	1,45	down
6241816	7369129	1793271	similar to nidogen 2 protein	LOC367622 367622	3,03	up
6267603	7368986	1792861	similar to nidogen 2 protein	LOC302022 302022	1,74	up
6298090	7368986	1792855	similar to nidogen 2 protein	LOC302022 302022	1,35	up
6312202	7368986	1792861	similar to nidogen 2 protein	LOC302022 302022	2,11	up
6351415	7368986	1792857	similar to nidogen 2 protein	LOC302022 302022	1,09	down
6500159	7355804	1759432	similar to Nol5a_predicted protein	RGD1563521 501161	2,24	down
5743876	7281507	1576702	similar to novel protein	RGD1563533 313713	1,21	up
5753541	7281507	1576704	similar to novel protein	RGD1563533 313713	1,08	up
5772660	7281507	1576709	similar to novel protein	RGD1563533 313713	1,03	down
5851351	7127540	1195302	similar to novel protein	RGD1560636 305467	1,44	down
5931345	7281507	1576708	similar to novel protein	RGD1563533 313713	1,12	down
5938671	7281507	1576717	similar to novel protein	RGD1563533 313713	1,02	up
5940277	7281507	1576711	similar to novel protein	RGD1563533 313713	1,39	up
5978269	7070616	1057766	similar to novel protein	RGD1559961 497974	1,13	up
6017696	7070616	1057768	similar to novel protein	RGD1559961 497974	1,23	down
6019979	7281507	1576717	similar to novel protein	RGD1563533 313713	1,02	up
6071284	7281507	1576705	similar to novel protein	RGD1563533 313713	1,04	down
6101075	7281507	1576715	similar to novel protein	RGD1563533 313713	2,16	up
6127246	7070616	1057767	similar to novel protein	RGD1559961 497974	1,04	up
6135988	7281507	1576715	similar to novel protein	RGD1563533 313713	1,05	down
6147284	7281507	1576706	similar to novel protein	RGD1563533 313713	1,01	up
6200230	7281507	1576703	similar to novel protein	RGD1563533 313713	1,24	down
6274360	7281507	1576717	similar to novel protein	RGD1563533 313713	1,46	up
6355415	7070616	1057768	similar to novel protein	RGD1559961 497974	1,08	up
6358321	7281507	1576713	similar to novel protein	RGD1563533 313713	1,72	down
6394424	7281507	1576707	similar to novel protein	RGD1563533 313713	1,85	down
6488695	7281507	1576712	similar to novel protein	RGD1563533 313713	1,28	up
6515926	7281507	1576714	similar to novel protein	RGD1563533 313713	1,24	down
6599137	7281507	1576700	similar to novel protein	RGD1563533 313713	1,39	up
6604597	7070616	1057798	similar to novel protein	RGD1559961 497974	1,04	down
6629650	7281507	1576696	similar to novel protein	RGD1563533 313713	1,79	up
6668526	7281507	1576701	similar to novel protein	RGD1563533 313713	1,15	up
6700832	7281507	1576711	similar to novel protein	RGD1563533 313713	1,52	down
6704468	7281507	1576717	similar to novel protein	RGD1563533 313713	1,11	up
6139778	7336931	1711897	similar to Nuclear membrane binding protein NUCLING	RGD1560011 315732	1,04	up
6614091	7336931	1711844	similar to Nuclear membrane binding protein NUCLING	RGD1560011 315732	1,55	up
6662705	7336931	1711844	similar to Nuclear membrane binding protein NUCLING	RGD1560011 315732	1,13	down
5765666	7258784	1519668	similar to nuclear receptor interacting protein 2	LOC689619 689619	1,72	down
5857199	7159177	1273330	similar to Nucleolar GTP-binding protein 1 (Chronic renal failure gene protein) (G	LOC683324 683324	1,24	down
6408729	7159177	1273330	similar to Nucleolar GTP-binding protein 1 (Chronic renal failure gene protein) (G	LOC683324 683324	1,84	up
5636754	7258812	1519707	similar to osteoclast inhibitory lectin	LOC500331 500331	1,08	down
5697218	7258812	1519708	similar to osteoclast inhibitory lectin	LOC500331 500331	1,02	down
5811342	7258812	1519709	similar to osteoclast inhibitory lectin	LOC500331 500331	1,12	up
5922051	7258812	1519705	similar to osteoclast inhibitory lectin	LOC500331 500331	1,18	up
5999781	7258812	1519706	similar to osteoclast inhibitory lectin	LOC500331 500331	1,02	up
6148964	7258812	1519704	similar to osteoclast inhibitory lectin	LOC500331 500331	1,35	down
6159588	7258812	1519703	similar to osteoclast inhibitory lectin	LOC500331 500331	1,19	down
6427881	7258812	1519709	similar to osteoclast inhibitory lectin	LOC500331 500331	2,06	up
5709090	7073950	1065942	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784 287871	1,23	up

5731767	7073950	1065920	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,01	down
5804373	7073950	1065869	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,08	up
5901919	7073950	1065880	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,24	up
5935683	7073950	1065911	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,11	down
5962002	7073950	1065905	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,14	down
6026146	7073950	1065887	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,16	up
6034361	7073950	1065910	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,28	up
6044187	7073950	1065908	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,03	down
6052395	7073950	1065934	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,10	down
6067154	7073950	1065897	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,21	down
6087409	7073950	1065859	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,12	up
6128465	7073950	1065928	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,07	up
6136527	7073950	1065935	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,02	down
6149640	7073950	1065932	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,45	down
6156404	7073950	1065926	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,26	down
6208150	7073950	1065922	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,04	up
6222995	7073950	1065921	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,13	up
6234052	7073950	1065919	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,30	down
6257721	7073950	1065940	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,21	up
6274928	7073950	1065942	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,07	down
6276324	7073950	1065923	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,07	down
6311837	7073950	1065933	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,05	up
6314912	7073950	1065912	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,08	down
6332958	7073950	1065931	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,26	down
6421073	7073950	1065904	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,15	up
6448715	7073950	1065938	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,24	down
6459402	7073950	1065936	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,06	down
6462729	7073950	1065883	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,04	up
6506304	7073950	1065941	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,19	down
6513787	7073950	1065868	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,05	up
6557420	7073950	1065938	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,27	down
6593721	7073950	1065942	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,62	down
6610116	7073950	1065918	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,12	down
6706686	7073950	1065939	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,26	down
6713475	7073950	1065924	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,14	down
6727379	7073950	1065930	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeat	RGD1311784	287871	1,01	down
5782620	7371483	1800146	similar to peptidylprolyl isomerase (cyclophilin)-like 2	LOC362758	362758	1,20	up
6333494	7371483	1800146	similar to peptidylprolyl isomerase (cyclophilin)-like 2	LOC362758	362758	3,72	down
6472274	7371483	1800146	similar to peptidylprolyl isomerase (cyclophilin)-like 2	LOC362758	362758	1,04	down
5620662	7299785	1621348	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,09	down
5642875	7299785	1621335	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,03	down
5656662	7299785	1621354	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,04	up
5857965	7299785	1621353	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,15	up
5861489	7299785	1621349	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,04	up
5865111	7299785	1621340	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,06	down
5929669	7299785	1621343	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,11	down
5959374	7299785	1621351	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,12	up
6016700	7299785	1621350	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,32	up
6040731	7299785	1621355	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,29	up
6170290	7299785	1621336	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,00	up
6262135	7299785	1621347	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	2,12	down
6421490	7299785	1621341	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,06	down
6507334	7299785	1621342	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,01	up
6603388	7299785	1621344	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,61	down
5655511	7271213	1550641	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,07	down
5695952	7271213	1550640	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,07	up

5740507	7271213	1550637	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,08	up
5756192	7271213	1550657	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,43	up
5763743	7271213	1550634	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,03	down
5840824	7271213	1550642	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,19	down
5921950	7271213	1550649	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,09	up
5990315	7271213	1550645	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,12	down
5990632	7271213	1550654	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,10	down
6084598	7271213	1550657	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,03	up
6194168	7271213	1550633	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,53	up
6204852	7271213	1550639	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,03	down
6211195	7271213	1550646	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,05	down
6267249	7271213	1550648	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,01	up
6278673	7271213	1550635	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,20	up
6406844	7271213	1550633	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	2,04	down
6561766	7271213	1550638	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,31	down
6571243	7271213	1550643	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,02	down
6639670	7271213	1550656	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,04	down
6696571	7271213	1550636	similar to Protein C12orf11 (Sarcoma antigen NY-SAR-95)	LOC690728	690728	1,03	down
5755827	7044476	996987	similar to Protein C6orf115	LOC685045	685045	2,39	up
5880110	7044476	996987	similar to Protein C6orf115	LOC685045	685045	1,03	down
6128306	7044476	996987	similar to Protein C6orf115	LOC685045	685045	1,70	down
6390909	7044476	996987	similar to Protein C6orf115	LOC685045	685045	1,26	up
6501754	7044476	996987	similar to Protein C6orf115	LOC685045	685045	1,05	down
6543008	7044476	996986	similar to Protein C6orf115	LOC685045	685045	1,18	down
5774428	7238202	1468958	similar to Protein C9orf126 homolog	LOC690538	690538	1,22	down
5802890	7238202	1468938	similar to Protein C9orf126 homolog	LOC690538	690538	1,05	down
6395864	7238202	1468959	similar to Protein C9orf126 homolog	LOC690538	690538	1,01	up
5757182	7052331	1014574	similar to Protein KIAA0574	LOC680344	680344	1,30	up
5869621	7052331	1014590	similar to Protein KIAA0574	LOC680344	680344	2,02	down
6215776	7052331	1014578	similar to Protein KIAA0574	LOC680344	680344	1,09	down
6311044	7052331	1014577	similar to Protein KIAA0574	LOC680344	680344	1,30	up
6393728	7052331	1014572	similar to Protein KIAA0574	LOC680344	680344	1,04	down
6642100	7052331	1014578	similar to Protein KIAA0574	LOC680344	680344	1,04	down
6677122	7052331	1014581	similar to Protein KIAA0574	LOC680344	680344	1,54	up
5684617	7299083	1619244	similar to Protein KIAA0586	LOC690035	690035	1,17	down
5769924	7299083	1619235	similar to Protein KIAA0586	LOC690035	690035	1,15	down
5777080	7299083	1619251	similar to Protein KIAA0586	LOC690035	690035	1,07	down
5823360	7299083	1619264	similar to Protein KIAA0586	LOC690035	690035	1,26	up
5835106	7299083	1619253	similar to Protein KIAA0586	LOC690035	690035	3,23	down
5876086	7299083	1619256	similar to Protein KIAA0586	LOC690035	690035	1,76	down
5895625	7299083	1619249	similar to Protein KIAA0586	LOC690035	690035	1,10	down
5936142	7299083	1619254	similar to Protein KIAA0586	LOC690035	690035	1,07	down
5981189	7299083	1619264	similar to Protein KIAA0586	LOC690035	690035	1,11	up
6069061	7299083	1619234	similar to Protein KIAA0586	LOC690035	690035	1,36	up
6136705	7299083	1619240	similar to Protein KIAA0586	LOC690035	690035	1,06	up
6147437	7299083	1619258	similar to Protein KIAA0586	LOC690035	690035	1,21	up
6152385	7299083	1619255	similar to Protein KIAA0586	LOC690035	690035	1,25	down
6177371	7299083	1619248	similar to Protein KIAA0586	LOC690035	690035	1,46	down
6190418	7299083	1619255	similar to Protein KIAA0586	LOC690035	690035	1,37	down
6194376	7299083	1619243	similar to Protein KIAA0586	LOC690035	690035	1,12	up
6219494	7299083	1619243	similar to Protein KIAA0586	LOC690035	690035	1,03	down
6222177	7299083	1619241	similar to Protein KIAA0586	LOC690035	690035	1,09	down
6223190	7299083	1619233	similar to Protein KIAA0586	LOC690035	690035	1,27	down
6253617	7299083	1619231	similar to Protein KIAA0586	LOC690035	690035	1,15	down
6257990	7299083	1619229	similar to Protein KIAA0586	LOC690035	690035	1,51	up
6283837	7299083	1619257	similar to Protein KIAA0586	LOC690035	690035	1,13	down

6335696	7299083	1619247	similar to Protein KIAA0586	LOC690035	690035	1,05	down
6361549	7299083	1619237	similar to Protein KIAA0586	LOC690035	690035	1,19	up
6406353	7299083	1619239	similar to Protein KIAA0586	LOC690035	690035	1,17	down
6408708	7299083	1619240	similar to Protein KIAA0586	LOC690035	690035	1,38	up
6415418	7299083	1619251	similar to Protein KIAA0586	LOC690035	690035	1,14	down
6421236	7299083	1619232	similar to Protein KIAA0586	LOC690035	690035	1,59	up
6423749	7299083	1619245	similar to Protein KIAA0586	LOC690035	690035	1,10	down
6453549	7299083	1619238	similar to Protein KIAA0586	LOC690035	690035	1,08	down
6462311	7299083	1619243	similar to Protein KIAA0586	LOC690035	690035	1,14	up
6598402	7299083	1619236	similar to Protein KIAA0586	LOC690035	690035	1,24	down
6683628	7299083	1619252	similar to Protein KIAA0586	LOC690035	690035	1,15	up
6722488	7299083	1619242	similar to Protein KIAA0586	LOC690035	690035	1,25	up
6736477	7299083	1619238	similar to Protein KIAA0586	LOC690035	690035	1,09	down
6742161	7299083	1619228	similar to Protein KIAA0586	LOC690035	690035	1,14	down
6119078	7156052	1265789	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,32	up
6201552	7156052	1265786	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,19	down
6224612	7156052	1265789	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,40	down
6403584	7156052	1265778	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,03	down
6522485	7156052	1265780	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,39	down
5867108	7266706	1538743	similar to RAB11 family interacting protein 5 (class I) isoform 1	LOC312502	312502	1,52	up
5894672	7266706	1538743	similar to RAB11 family interacting protein 5 (class I) isoform 1	LOC312502	312502	1,54	up
5931442	7266706	1538743	similar to RAB11 family interacting protein 5 (class I) isoform 1	LOC312502	312502	1,07	down
6156152	7266706	1538743	similar to RAB11 family interacting protein 5 (class I) isoform 1	LOC312502	312502	1,13	up
6356713	7266706	1538743	similar to RAB11 family interacting protein 5 (class I) isoform 1	LOC312502	312502	1,01	down
6509429	7101258	1130556	similar to Rasa4 protein	RGD1565457	288589	2,44	down
6701308	7101258	1130582	similar to Rasa4 protein	RGD1565457	288589	1,58	down
5626737	7180630	1326431	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,24	up
5644010	7180630	1326427	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,06	up
5685471	7180630	1326441	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,54	down
5705443	7180630	1326434	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,14	up
5723789	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	2,22	down
5750844	7180630	1326431	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,08	up
5761056	7180630	1326442	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,22	up
5795359	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,96	down
5796490	7180630	1326440	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,03	down
5914236	7180630	1326430	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,39	up
5916472	7180630	1326450	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,09	up
5918663	7180630	1326435	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,64	up
5943602	7180630	1326435	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,36	down
5953673	7180630	1326436	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,23	up
6051933	7180630	1326433	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,12	down
6073590	7180630	1326443	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,20	up
6099750	7180630	1326435	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,03	down
6122065	7180630	1326448	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,38	down
6135924	7180630	1326426	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,33	down
6139841	7180630	1326433	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,26	up
6209475	7180630	1326453	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,16	down
6226854	7180630	1326454	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	2,49	down
6269879	7180630	1326444	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,40	up
6293773	7180630	1326437	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,44	down
6326125	7180630	1326439	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,22	down
6330775	7180630	1326425	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,24	up
6377532	7180630	1326451	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,33	down
6393403	7180630	1326447	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,25	down
6400915	7180630	1326426	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,76	down
6409308	7180630	1326429	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,13	up

6445588	7180630	1326449	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,10	down
6447836	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,13	down
6449890	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,82	down
6491530	7180630	1326432	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,47	up
6539076	7180630	1326446	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,01	up
6563803	7180630	1326456	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,09	up
6598972	7180630	1326438	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,15	down
6619048	7180630	1326445	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,27	up
6638409	7180630	1326456	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,60	up
6667117	7180630	1326452	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,17	up
6703699	7180630	1326428	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing pro	RGD1562390	307797	1,04	up
6709846	7373633	1805710	similar to ribosomal protein L31	LOC679519	679519	2,11	down
5636855	7112268	1157754	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,73	down
5713414	7112268	1157765	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,24	up
5735823	7112268	1157752	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,30	up
5747642	7112268	1157751	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,06	down
5844158	7112268	1157758	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,02	up
5855041	7112268	1157746	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,07	up
5886323	7112268	1157756	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,58	down
6037860	7112268	1157761	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,51	down
6082272	7112268	1157759	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,03	down
6116289	7112268	1157745	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,18	down
6225006	7112268	1157766	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,21	up
6244021	7112268	1157762	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,11	down
6259289	7112268	1157760	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,25	up
6285146	7112268	1157758	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,72	down
6304623	7112268	1157761	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,03	down
6411611	7112268	1157757	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,18	up
6457912	7112268	1157766	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,52	up
6479959	7112268	1157764	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	2,17	down
6530725	7112268	1157750	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,18	up
6616043	7112268	1157746	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,03	down
6665159	7112268	1157755	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,12	up
6666274	7112268	1157753	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,11	down
6722594	7112268	1157747	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,12	up
6735304	7112268	1157748	similar to RIKEN cDNA 1200016B10	RGD1308695	289088	1,13	up
5701550	7075096	1068586	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,04	up
5737963	7075096	1068587	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,06	up
5739534	7075096	1068596	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,18	up
5747041	7075096	1068574	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,07	up
5756200	7075096	1068595	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,67	down
5826932	7075096	1068568	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,73	up
5999886	7075096	1068566	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,09	down
6004508	7075096	1068602	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,18	up
6014915	7075096	1068573	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,40	up
6033864	7075096	1068592	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,64	down
6036634	7075096	1068586	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,69	up
6038759	7075096	1068569	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,06	up
6057928	7075096	1068600	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,54	up
6077446	7075096	1068571	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,23	down
6147863	7075096	1068589	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,65	down
6151884	7075096	1068579	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,43	up
6163401	7075096	1068597	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,13	down
6185972	7075096	1068594	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,10	down
6316486	7075096	1068599	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,47	down
6353680	7075096	1068587	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,01	down

6384273	7075096	1068583	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,30	down
6472183	7075096	1068580	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	2,21	up
6533854	7075096	1068588	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,34	down
6559062	7075096	1068577	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,08	down
6565879	7075096	1068596	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,39	down
6572981	7075096	1068591	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,47	down
6588826	7075096	1068572	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,06	up
6631084	7075096	1068601	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,02	up
6637500	7075096	1068570	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,02	up
6648111	7075096	1068603	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,23	down
6718897	7075096	1068567	similar to RIKEN cDNA 1520401A03 gene	RGD1307032	360486	1,01	down
5712691	7369043	1793106	similar to RIKEN cDNA 1700001E04	MGC116197	367620	1,25	up
5862199	7369043	1793105	similar to RIKEN cDNA 1700001E04	MGC116197	367620	1,00	down
5923578	7368565	1791291	similar to RIKEN cDNA 1700001E04	LOC363181	363181	1,18	down
6371714	7369938	1795526	similar to RIKEN cDNA 1700001E04	LOC363181	363181	1,46	up
6405561	7368565	1791289	similar to RIKEN cDNA 1700001E04	LOC363181	363181	1,42	up
6598992	7369043	1793108	similar to RIKEN cDNA 1700001E04	MGC116197	367620	3,08	down
6630820	7368565	1791291	similar to RIKEN cDNA 1700001E04	LOC363181	363181	1,34	down
6647964	7369043	1793102	similar to RIKEN cDNA 1700001E04	MGC116197	367620	1,12	up
6111705	7371539	1800299	similar to RIKEN cDNA 1700001F09	LOC290508	290508	1,01	down
6316524	7371539	1800299	similar to RIKEN cDNA 1700001F09	LOC290508	290508	1,26	up
6541063	7371539	1800299	similar to RIKEN cDNA 1700001F09	LOC290508	290508	1,00	up
5707572	7266778	1538857	similar to RIKEN cDNA 1700019G17	RGD1563507	500238	1,14	down
6008331	7266778	1538856	similar to RIKEN cDNA 1700019G17	RGD1563507	500238	1,62	down
6338004	7266778	1538855	similar to RIKEN cDNA 1700019G17	RGD1563507	500238	1,07	up
6386253	7266778	1538854	similar to RIKEN cDNA 1700019G17 /// camello-like 2 /// similar to Camello-like3507 /// Cml2 /// LO238 /// 500237 /// 681			1,30	down
6529644	7096898	1119518	similar to RIKEN cDNA 1810042K04	RGD1305593	288513	1,77	up
5620523	7284501	1583872	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,12	down
5653585	7284501	1583851	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,01	up
5794488	7284501	1583854	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,23	down
5823550	7284501	1583868	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,06	up
5898197	7284501	1583860	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,02	up
5912951	7284501	1583874	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,07	up
5916230	7284501	1583863	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,02	down
5949442	7284501	1583850	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,11	up
5963775	7284501	1583858	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,08	down
6014993	7284501	1583853	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,28	down
6143088	7284501	1583871	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,09	down
6195314	7284501	1583865	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,32	up
6243960	7284501	1583855	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	2,83	down
6406712	7284501	1583857	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,09	down
6525926	7284501	1583852	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,15	down
6538809	7284501	1583859	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,62	down
6650974	7284501	1583869	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,19	up
6680403	7284501	1583870	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,10	down
6694742	7284501	1583861	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,00	down
6728612	7284501	1583855	similar to RIKEN cDNA 1810074P20	RGD1309308	313115	1,19	down
5705537	7119179	1175006	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,47	up
5749371	7119179	1174997	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,25	down
5827120	7119179	1174983	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,58	up
5898724	7119179	1175007	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,50	up
5904623	7119179	1174989	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,20	up
5935497	7119179	1174982	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,10	up
5977534	7119179	1174991	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,07	up
6001246	7119179	1174978	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,05	up
6073748	7119179	1174999	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,27	down

6097863	7119179	1175001	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,38	down
6140999	7119179	1174966	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,61	up
6155328	7119179	1174983	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,55	up
6185515	7119179	1175007	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,10	down
6191881	7119179	1174993	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,35	up
6242257	7119179	1174994	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,17	up
6245726	7119179	1175003	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,00	up
6249938	7119179	1174971	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,02	up
6296995	7119179	1174992	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,13	down
6338596	7119179	1174967	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,09	down
6342559	7119179	1174977	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	2,04	down
6363549	7119179	1174990	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,27	up
6376379	7119179	1174976	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,44	down
6410936	7119179	1175002	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,22	up
6417582	7119179	1174971	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,13	down
6476123	7119179	1175007	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,27	down
6556816	7119179	1174980	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,32	up
6558073	7119179	1174986	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,24	up
6576777	7119179	1174998	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,19	down
6628458	7119179	1175008	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,45	up
6669513	7119179	1174987	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,10	down
6695596	7119179	1174981	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,25	down
5663339	7099294	1126086	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,23	up
5673990	7099294	1126106	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,03	down
5677425	7099294	1126075	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,16	down
5717204	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,05	up
5742815	7099294	1126102	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,10	up
5764306	7099294	1126094	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,56	up
5832763	7099294	1126104	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,17	up
5849134	7099294	1126105	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,05	down
5860520	7099294	1126096	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,10	up
5948207	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,22	up
5975861	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	3,19	down
5979829	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,12	down
5996378	7099294	1126103	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,02	down
6004655	7099294	1126109	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,56	up
6070925	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,15	down
6098366	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,36	up
6129277	7099294	1126098	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,02	down
6190504	7099294	1126076	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,18	down
6231703	7099294	1126097	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,27	down
6232531	7099294	1126099	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,09	up
6272900	7099294	1126102	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,26	up
6297803	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,06	up
6324215	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,20	up
6394317	7099294	1126087	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,41	down
6446680	7099294	1126098	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,04	down
6450212	7099294	1126097	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,21	up
6457074	7099294	1126079	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,06	down
6484169	7099294	1126074	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,88	down
6534062	7099294	1126098	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,32	up
6559909	7099294	1126095	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,00	up
6577197	7099294	1126107	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,12	down
6587931	7099294	1126096	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,12	up
6611219	7099294	1126096	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,09	up
6689931	7099294	1126075	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,24	up

5768413	7367262	1786898	similar to RIKEN cDNA 2610042L04	LOC501224	501224	1,02	down
5775250	7367262	1786898	similar to RIKEN cDNA 2610042L04	LOC501224	501224	1,19	down
5850487	7367262	1786897	similar to RIKEN cDNA 2610042L04	LOC501224	501224	2,23	up
6161368	7369043	1793110	similar to RIKEN cDNA 2610042L04	LOC363408	363408	1,07	down
6402816	7369043	1793110	similar to RIKEN cDNA 2610042L04 /// similar to Discs large homolog 5 (Placen	LOC363408 /// LOC501	363408 /// 501400	1,86	up
6091718	7369939	1795591	similar to RIKEN cDNA 2610042L04 /// similar to RIKEN cDNA 4930555G01	LOC501224 /// LOC367	501224 /// 367381	1,02	down
6495423	7369939	1795610	similar to RIKEN cDNA 2610042L04 /// similar to RIKEN cDNA 4930555G01	LOC501224 /// LOC367	501224 /// 367381	1,18	down
6691850	7367262	1786900	similar to RIKEN cDNA 2610042L04 /// similar to RIKEN cDNA 4930555G01	LOC367381 /// LOC367	367381 /// 367381	2,06	down
6230612	7367262	1786894	similar to RIKEN cDNA 2610042L04 /// similar to similar to RIKEN cDNA 26101	LOC688772 /// LOC688772	688772 /// 69C	1,07	up
5687105	7286124	1587300	similar to RIKEN cDNA 2810432L12	RGD1307218	362518	1,19	down
5768397	7286124	1587302	similar to RIKEN cDNA 2810432L12	RGD1307218	362518	2,09	down
6304045	7286124	1587301	similar to RIKEN cDNA 2810432L12	RGD1307218	362518	1,44	down
6504372	7286124	1587300	similar to RIKEN cDNA 2810432L12	RGD1307218	362518	1,04	up
6519605	7286124	1587300	similar to RIKEN cDNA 2810432L12	RGD1307218	362518	1,94	up
6709177	7286124	1587300	similar to RIKEN cDNA 2810432L12	RGD1307218	362518	1,01	down
6641178	7370475	1797146	similar to RIKEN cDNA 2900016D05	RGD1559848	317032	1,12	down
5621407	7361042	1772258	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,08	up
5651867	7361042	1772275	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,73	down
5911633	7361042	1772268	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,14	up
5955222	7361042	1772272	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,01	up
5990536	7361042	1772262	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,16	down
5999756	7361042	1772266	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,13	up
6040687	7361042	1772270	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,11	up
6100290	7361042	1772277	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,38	up
6110725	7361042	1772259	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,05	down
6304711	7361042	1772267	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,13	down
6372721	7361042	1772270	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,05	down
6398631	7361042	1772265	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,22	down
6415315	7361042	1772261	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,96	down
6493668	7361042	1772278	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,05	up
6542367	7361042	1772257	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,28	down
6557501	7361042	1772257	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,11	up
6568846	7361042	1772269	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,24	up
6569357	7361042	1772260	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,32	up
6692344	7361042	1772274	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,20	up
6705409	7361042	1772256	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,06	up
6729114	7361042	1772271	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,31	up
5700476	7310158	1647842	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,04	down
5821708	7310158	1647826	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,32	up
5866980	7310158	1647834	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,15	up
5950937	7310158	1647832	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,40	down
5995729	7310158	1647832	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,45	down
6047269	7310158	1647824	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,99	down
6093191	7310158	1647830	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,29	down
6124677	7310158	1647840	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,10	up
6294992	7310158	1647828	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,22	down
6331763	7310158	1647822	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	2,11	up
6345217	7310158	1647835	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,49	down
6365434	7310158	1647823	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,06	down
6392988	7310158	1647843	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,02	up
6394934	7310158	1647841	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,01	up
6420091	7310158	1647839	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,00	down
6463514	7310158	1647838	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,01	down
6609024	7310158	1647836	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,07	down
6629832	7310158	1647846	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,02	up
6672558	7310158	1647831	similar to RIKEN cDNA 4831426I19	RGD1304563	299356	1,20	down

6257132	7370128	1796168	similar to RIKEN cDNA 4930555G01	LOC367381	367381	1,98	up
6555536	7369939	1795607	similar to RIKEN cDNA 4930555G01	LOC367381	367381	1,47	up
5735791	7245066	1485572	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,01	down
5751349	7245066	1485573	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,12	down
5896693	7245066	1485572	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,20	up
5975667	7245066	1485573	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	2,34	down
5992769	7245066	1485573	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,05	down
6076875	7245066	1485573	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,67	down
6087018	7245066	1485577	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,11	up
6094878	7245066	1485576	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,53	up
6136473	7245066	1485572	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,96	up
6156189	7245066	1485574	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,15	down
6275711	7245066	1485573	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,81	down
6698432	7245066	1485573	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,25	up
6700615	7245066	1485575	similar to RIKEN cDNA 4931426K16 gene	RGD1311267	311429	1,44	down
5645009	7121866	1181865	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,15	up
5856931	7121866	1181860	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,68	down
6041471	7121866	1181866	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,21	down
6133540	7121866	1181869	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,27	up
6184447	7121866	1181856	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,26	down
6265284	7121866	1181860	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,18	up
6406557	7121866	1181870	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,07	down
6430637	7121866	1181868	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,16	down
6436148	7121866	1181859	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,13	down
6655165	7121866	1181859	similar to RIKEN cDNA 4933435A13	RGD1306402	305583	1,12	up
6065355	7072504	1062034	similar to RIKEN cDNA 4933439F11	RGD1307851	287741	1,04	up
6628424	7072504	1062034	similar to RIKEN cDNA 4933439F11	RGD1307851	287741	2,42	down
5659589	7061703	1035727	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,04	up
5911386	7061703	1035738	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,16	up
5967889	7061703	1035739	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,08	down
6038835	7061703	1035728	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,29	up
6126018	7061703	1035734	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,24	up
6597929	7061703	1035729	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	2,19	up
6637726	7061703	1035726	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,15	up
5627955	7126658	1193131	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,17	up
5629960	7126658	1193139	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	2,11	down
5633903	7126658	1193143	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,75	down
5658090	7126658	1193131	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,48	up
5670032	7126658	1193169	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,57	up
5676236	7126658	1193167	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,84	up
5736046	7126658	1193153	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	2,60	up
5795928	7126658	1193173	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,07	down
5816635	7126658	1193159	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,06	down
5840337	7126658	1193144	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,05	down
5849130	7126658	1193136	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,66	up
5878234	7126658	1193152	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,29	down
5939670	7126658	1193160	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,47	up
5948318	7126658	1193145	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,06	up
5971390	7126658	1193168	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,02	up
6005970	7126658	1193163	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,05	down
6064099	7126658	1193138	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,33	down
6099120	7126658	1193132	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,31	up
6192989	7126658	1193146	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,42	down
6233631	7126658	1193162	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,37	down
6252883	7126658	1193136	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,43	up
6262225	7126658	1193171	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,49	down

6271152	7126658	1193155	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,75	down
6314201	7126658	1193130	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,24	down
6415116	7126658	1193140	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,29	up
6443135	7126658	1193166	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,56	up
6500100	7126658	1193142	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,03	down
6508109	7126658	1193158	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,06	down
6510787	7126658	1193172	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,06	up
6544705	7126658	1193141	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,49	down
6549950	7126658	1193174	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,17	up
6554181	7126658	1193131	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,31	up
6581029	7126658	1193147	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,31	down
6587128	7126658	1193165	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,65	up
6592909	7126658	1193134	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,15	up
6634874	7126658	1193157	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,62	up
6660383	7126658	1193133	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,48	down
6668671	7126658	1193129	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,65	up
6725687	7126658	1193137	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,13	up
5672414	7117424	1170740	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,18	down
5719037	7117424	1170736	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,12	down
5740627	7117424	1170732	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,52	down
5841325	7117424	1170739	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,05	up
6000941	7117424	1170735	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,10	up
6189833	7117424	1170734	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,05	up
6367912	7117424	1170738	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,24	down
6475513	7117424	1170739	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	2,05	down
6504967	7117424	1170735	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,04	up
6571575	7117424	1170738	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,12	down
6576623	7117424	1170737	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,01	up
6718599	7117424	1170733	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,02	up
6746225	7117424	1170741	similar to RIKEN cDNA 9930032O22 gene	RGD1306446	289546	1,28	up
5620785	7199341	1374137	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,41	up
5624521	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,28	up
5639640	7199341	1374131	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,06	down
5679461	7199341	1374144	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,54	down
5686336	7199341	1374132	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,02	up
5686510	7199341	1374147	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,45	up
5753290	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,37	down
5801699	7199341	1374179	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,48	up
5848349	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	2,50	up
5892247	7199341	1374135	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,21	up
6076541	7199341	1374125	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,19	down
6102135	7199341	1374134	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,26	up
6122660	7199341	1374179	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,06	up
6132129	7199341	1374128	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,00	up
6175094	7199341	1374143	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,51	up
6190298	7199341	1374152	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,24	down
6193005	7199341	1374146	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,06	up
6213282	7199341	1374139	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,23	down
6349182	7199341	1374138	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,88	down
6372113	7199341	1374159	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,15	down
6377925	7199341	1374136	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,11	down
6388463	7199341	1374142	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,10	down
6406632	7199341	1374148	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,17	down
6481512	7199341	1374175	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,58	up
6485084	7199341	1374145	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,12	up
6540303	7199341	1374151	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,01	up

6561857	7199341	1374125	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,12	up
6563007	7199341	1374123	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,06	down
6570876	7199341	1374169	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,14	up
6583077	7199341	1374179	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,56	up
6611240	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,11	up
6702026	7199341	1374141	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,61	down
6714830	7320234	1672984	similar to RIKEN cDNA B930062P21 gene	RGD1562562	500921	1,63	down
5722157	7329380	1693971	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,44	up
5741374	7329380	1693971	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,33	down
5853232	7329380	1693973	similar to RIKEN cDNA C030006K11	MGC94207	362946	2,15	down
6001239	7329380	1693971	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,11	up
6228153	7329380	1693972	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,04	down
6346605	7329380	1693971	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,50	down
6423848	7329380	1693971	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,17	up
6474500	7329380	1693971	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,23	up
6559920	7329380	1693971	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,09	up
6671534	7329380	1693973	similar to RIKEN cDNA C030006K11	MGC94207	362946	1,18	up
5657527	7225205	1435091	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,12	down
5684107	7225205	1435090	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,63	up
5692039	7225205	1435092	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,38	down
5982664	7225205	1435095	similar to RIKEN cDNA C430004E15	LOC499749	499749	2,29	down
6109162	7225205	1435090	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,24	up
6239832	7225205	1435090	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,06	up
6240239	7225205	1435094	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,22	down
6324047	7225205	1435093	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,44	down
6690204	7225205	1435090	similar to RIKEN cDNA C430004E15	LOC499749	499749	1,40	up
5721436	7340304	1720867	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	1,40	down
5890959	7340304	1720867	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	1,92	down
6006304	7340304	1720865	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	2,02	down
6574108	7340304	1720868	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	1,51	down
5823072	7275674	1561668	similar to RIKEN cDNA E130308A19	RGD1310951	313202	1,06	down
5846982	7275674	1561659	similar to RIKEN cDNA E130308A19	RGD1310951	313202	1,18	down
6169550	7275674	1561659	similar to RIKEN cDNA E130308A19	RGD1310951	313202	1,38	down
5752899	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	2,00	down
5795807	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,02	up
5914540	7162959	1282089	similar to RNA binding motif protein 24	LOC690139	690139	1,04	up
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	1,27	up
6064632	7162959	1282086	similar to RNA binding motif protein 24	LOC690139	690139	2,02	up
6113187	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,03	up
6178115	7162959	1282087	similar to RNA binding motif protein 24	LOC690139	690139	1,48	down
6391869	7162959	1282089	similar to RNA binding motif protein 24	LOC690139	690139	1,91	down
6452130	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,09	up
5661159	7351953	1749860	similar to RP3-330M21.4	RGD1559518	316229	1,04	up
5692810	7351953	1749880	similar to RP3-330M21.4	RGD1559518	316229	1,10	up
5866423	7351953	1749865	similar to RP3-330M21.4	RGD1559518	316229	1,63	up
5989293	7351953	1749880	similar to RP3-330M21.4	RGD1559518	316229	1,79	down
6121412	7351953	1749866	similar to RP3-330M21.4	RGD1559518	316229	1,45	down
6153585	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,10	up
6274948	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,07	down
6296892	7351953	1749874	similar to RP3-330M21.4	RGD1559518	316229	1,02	up
6298343	7351953	1749869	similar to RP3-330M21.4	RGD1559518	316229	1,05	down
6301972	7351953	1749867	similar to RP3-330M21.4	RGD1559518	316229	1,10	down
6302487	7351953	1749872	similar to RP3-330M21.4	RGD1559518	316229	1,15	up
6396536	7351953	1749873	similar to RP3-330M21.4	RGD1559518	316229	1,10	up
6434188	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,03	down

6469184	7351953	1749870	similar to RP3-330M21.4	RGD1559518	316229	1,26	up
6505921	7351953	1749864	similar to RP3-330M21.4	RGD1559518	316229	1,72	down
6508790	7351953	1749874	similar to RP3-330M21.4	RGD1559518	316229	1,30	down
6528755	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,88	down
6577417	7351953	1749868	similar to RP3-330M21.4	RGD1559518	316229	1,02	up
6610414	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,59	down
6674795	7351953	1749871	similar to RP3-330M21.4	RGD1559518	316229	1,02	up
6021572	7220882	1424991	similar to RT1 class II histocompatibility antigen, B-1 beta chain precursor (RT1.IOC688090 /// RT1-E 688090 /// 309622			3,62	up
6254811	7220882	1424992	similar to RT1 class II histocompatibility antigen, B-1 beta chain precursor (RT1.IOC688090 /// RT1-E 688090 /// 309622			1,30	up
5743372	7049399	1008392	similar to ryanodine receptor 1 (skeletal)	LOC686059	686059	1,80	down
5685735	7062927	1038651	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,32	up
5729670	7062927	1038624	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,10	up
5747583	7062927	1038638	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,12	up
5784745	7062927	1038645	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,10	down
5796919	7062927	1038643	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,06	up
5889975	7062927	1038626	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,08	up
5954264	7062927	1038628	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,44	up
5999722	7062927	1038639	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,09	up
6070657	7062927	1038626	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,11	up
6096963	7062927	1038631	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,19	up
6099271	7062927	1038627	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,11	up
6104285	7062927	1038642	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	2,12	down
6190308	7062927	1038644	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,38	down
6248769	7062927	1038636	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,75	up
6283271	7062927	1038643	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,17	down
6296082	7062927	1038621	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,08	up
6297670	7062927	1038634	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,31	down
6307223	7062927	1038649	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,05	down
6338976	7062927	1038632	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,00	up
6363087	7062927	1038643	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,37	up
6382913	7062927	1038650	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,06	up
6434094	7062927	1038647	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,22	down
6503183	7062927	1038633	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,39	up
6638133	7062927	1038646	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,23	down
6639906	7062927	1038648	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,43	down
6641579	7062927	1038640	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,43	up
6690033	7062927	1038635	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,24	down
6730625	7062927	1038623	similar to S. cerevisiae SEC31-like 2 isoform a	LOC309433	309433	1,19	up
5620602	7367971	1789133	similar to scaffold attachment factor B2	LOC301126	301126	1,06	down
5644907	7367971	1789129	similar to scaffold attachment factor B2	LOC301126	301126	1,05	up
5658404	7367971	1789119	similar to scaffold attachment factor B2	LOC301126	301126	1,05	up
5676050	7367971	1789127	similar to scaffold attachment factor B2	LOC301126	301126	1,46	down
5703010	7367971	1789123	similar to scaffold attachment factor B2	LOC301126	301126	1,40	down
5725854	7367971	1789134	similar to scaffold attachment factor B2	LOC301126	301126	1,30	down
5732459	7367971	1789123	similar to scaffold attachment factor B2	LOC301126	301126	1,29	down
5788667	7367971	1789112	similar to scaffold attachment factor B2	LOC301126	301126	1,02	down
5893050	7367971	1789132	similar to scaffold attachment factor B2	LOC301126	301126	1,15	down
5945779	7367971	1789129	similar to scaffold attachment factor B2	LOC301126	301126	1,21	down
5962671	7367971	1789110	similar to scaffold attachment factor B2	LOC301126	301126	1,04	down
5983521	7367971	1789111	similar to scaffold attachment factor B2	LOC301126	301126	1,35	down
6030935	7367971	1789130	similar to scaffold attachment factor B2	LOC301126	301126	1,01	up
6069495	7367971	1789121	similar to scaffold attachment factor B2	LOC301126	301126	1,12	up
6091662	7367971	1789131	similar to scaffold attachment factor B2	LOC301126	301126	1,41	down
6158266	7367971	1789123	similar to scaffold attachment factor B2	LOC301126	301126	1,01	up
6249770	7367971	1789114	similar to scaffold attachment factor B2	LOC301126	301126	1,00	up
6304498	7367971	1789119	similar to scaffold attachment factor B2	LOC301126	301126	1,21	up

6322644	7367971	1789128	similar to scaffold attachment factor B2	LOC301126	301126	1,09	down
6345770	7367971	1789108	similar to scaffold attachment factor B2	LOC301126	301126	1,07	down
6391316	7367971	1789118	similar to scaffold attachment factor B2	LOC301126	301126	1,23	up
6403231	7367971	1789112	similar to scaffold attachment factor B2	LOC301126	301126	1,03	down
6412599	7367971	1789134	similar to scaffold attachment factor B2	LOC301126	301126	1,15	up
6418800	7367971	1789134	similar to scaffold attachment factor B2	LOC301126	301126	3,28	down
6445880	7367971	1789116	similar to scaffold attachment factor B2	LOC301126	301126	1,18	up
6721263	7367971	1789120	similar to scaffold attachment factor B2	LOC301126	301126	1,51	down
5623322	7055876	1022458	similar to SET binding factor 2	LOC691036	691036	1,46	down
5637175	7055876	1022457	similar to SET binding factor 2	LOC691036	691036	1,13	down
5653879	7055876	1022466	similar to SET binding factor 2	LOC691036	691036	1,01	up
5668276	7055876	1022496	similar to SET binding factor 2	LOC691036	691036	1,42	down
5696648	7055876	1022461	similar to SET binding factor 2	LOC691036	691036	1,13	down
5702056	7055876	1022469	similar to SET binding factor 2	LOC691036	691036	1,08	up
5743164	7055876	1022479	similar to SET binding factor 2	LOC691036	691036	1,03	down
5786165	7055876	1022502	similar to SET binding factor 2	LOC691036	691036	1,08	up
5812429	7055876	1022464	similar to SET binding factor 2	LOC691036	691036	1,16	up
5826017	7055876	1022521	similar to SET binding factor 2	LOC691036	691036	1,21	down
5876223	7055876	1022466	similar to SET binding factor 2	LOC691036	691036	1,02	up
5877262	7055876	1022468	similar to SET binding factor 2	LOC691036	691036	1,36	down
5888270	7055876	1022492	similar to SET binding factor 2	LOC691036	691036	1,33	up
5893895	7055876	1022483	similar to SET binding factor 2	LOC691036	691036	1,21	up
5934001	7055876	1022515	similar to SET binding factor 2	LOC691036	691036	1,10	down
5936562	7055876	1022483	similar to SET binding factor 2	LOC691036	691036	1,11	down
5941712	7055876	1022478	similar to SET binding factor 2	LOC691036	691036	1,06	up
5946527	7055876	1022497	similar to SET binding factor 2	LOC691036	691036	1,68	down
5973328	7055876	1022482	similar to SET binding factor 2	LOC691036	691036	1,02	down
5987989	7055876	1022467	similar to SET binding factor 2	LOC691036	691036	1,07	down
6064219	7055876	1022495	similar to SET binding factor 2	LOC691036	691036	1,26	down
6077287	7055876	1022460	similar to SET binding factor 2	LOC691036	691036	1,57	down
6080304	7055876	1022465	similar to SET binding factor 2	LOC691036	691036	1,05	down
6087757	7055876	1022462	similar to SET binding factor 2	LOC691036	691036	1,16	up
6088981	7055876	1022504	similar to SET binding factor 2	LOC691036	691036	1,01	down
6091359	7055876	1022499	similar to SET binding factor 2	LOC691036	691036	1,12	up
6098912	7055876	1022512	similar to SET binding factor 2	RGD1559442	308934	1,23	up
6109531	7055876	1022503	similar to SET binding factor 2	LOC691036	691036	1,11	up
6235571	7055876	1022467	similar to SET binding factor 2	LOC691036	691036	1,05	down
6243774	7055876	1022476	similar to SET binding factor 2	LOC691036	691036	1,22	up
6254497	7055876	1022480	similar to SET binding factor 2	LOC691036	691036	1,01	down
6291492	7055876	1022484	similar to SET binding factor 2	LOC691036	691036	1,05	down
6349902	7055876	1022463	similar to SET binding factor 2	LOC691036	691036	1,21	down
6400402	7055876	1022508	similar to SET binding factor 2	LOC691036	691036	1,08	up
6421933	7055876	1022498	similar to SET binding factor 2	LOC691036	691036	1,07	up
6434122	7055876	1022477	similar to SET binding factor 2	LOC691036	691036	1,16	down
6490698	7055876	1022500	similar to SET binding factor 2	LOC691036	691036	1,04	down
6518927	7055876	1022507	similar to SET binding factor 2	LOC691036	691036	1,15	up
6538639	7055876	1022501	similar to SET binding factor 2	LOC691036	691036	1,05	down
6567767	7055876	1022457	similar to SET binding factor 2	LOC691036	691036	3,25	down
6617941	7055876	1022460	similar to SET binding factor 2	LOC691036	691036	1,21	down
6677464	7055876	1022488	similar to SET binding factor 2	LOC691036	691036	1,06	up
6685509	7055876	1022481	similar to SET binding factor 2	LOC691036	691036	1,08	down
6688525	7055876	1022506	similar to SET binding factor 2	LOC691036	691036	1,20	up
6689255	7055876	1022503	similar to SET binding factor 2	LOC691036	691036	1,27	down
6721407	7055876	1022474	similar to SET binding factor 2	LOC691036	691036	1,17	up
6746918	7055876	1022521	similar to SET binding factor 2	LOC691036	691036	1,14	up
5632969	7339286	1718073	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,46	down

5673002	7339286	1718113	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,20	up
5705605	7339286	1718110	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,08	up
5756412	7339286	1718028	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,02	up
5881258	7339286	1718116	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,35	up
6036485	7339286	1718036	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,08	down
6063812	7339286	1718077	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,01	up
6066477	7339286	1718028	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,10	up
6066759	7339286	1718035	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,01	down
6078033	7339286	1718033	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,02	up
6159564	7339286	1718071	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,00	down
6205911	7339286	1718055	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,05	down
6230043	7339286	1718084	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,11	down
6293647	7339286	1718028	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,35	up
6363228	7339286	1718113	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	2,18	down
6380233	7339286	1718116	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,36	down
6422448	7339286	1718115	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,05	up
6449170	7339286	1718106	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,42	down
6567724	7339286	1718116	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,17	down
6590266	7339286	1718076	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,28	up
6325878	7218728	1419914	similar to spatial-delta	RGD1561665	499429	1,55	up
6559956	7218728	1419929	similar to spatial-delta	RGD1561665	499429	1,00	up
5702504	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	2,07	up
5764271	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,19	down
5858070	7370763	1798116	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,64	up
5879025	7370763	1798114	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,06	down
5891010	7370763	1798114	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,25	up
6169092	7368374	1790640	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501386	501386	1,17	down
6252612	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,07	down
6387252	7368374	1790639	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC685805	685805	2,34	down
6407184	7371446	1800086	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC685805	685805	2,19	down
6416780	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,28	down
6450321	7370763	1798113	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,17	up
6528895	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,36	down
6595703	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,72	down
6192617	7368729	1792037	similar to Spindlin-like protein 2 (SPIN-2)	LOC367471	367471	1,05	up
6045441	7331297	1698822	similar to splicing factor, arginine/serine-rich 2, interacting protein	LOC681974	681974	1,20	down
6474152	7331297	1698824	similar to splicing factor, arginine/serine-rich 2, interacting protein	LOC681974	681974	1,03	up
5725202	7337845	1714357	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,30	up
5870948	7337845	1714349	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,05	up
5936997	7337845	1714347	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,24	down
5965826	7337845	1714357	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,70	up
6150534	7337845	1714354	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,30	down
6177725	7337845	1714356	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,06	down
6233057	7337845	1714350	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,34	up
6377287	7337845	1714352	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,14	down
6631122	7337845	1714352	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,26	up
6699376	7337845	1714348	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,01	up
5622584	7200996	1378149	similar to T06D8.1a	LOC295528	295528	1,01	up
5643415	7200996	1378134	similar to T06D8.1a	LOC295528	295528	1,33	up
5869389	7200996	1378134	similar to T06D8.1a	LOC295528	295528	1,39	up
6103195	7200996	1378146	similar to T06D8.1a	LOC295528	295528	1,22	up
6358324	7200996	1378147	similar to T06D8.1a	LOC295528	295528	1,42	down
6448215	7200996	1378140	similar to T06D8.1a	LOC295528	295528	1,35	down
6655670	7200996	1378141	similar to T06D8.1a	LOC295528	295528	1,10	down
5628144	7361420	1773036	similar to TBC1 domain family, member 8	LOC680133	680133	1,01	up
6112236	7361420	1773070	similar to TBC1 domain family, member 8	LOC680133	680133	1,12	down

5682574	7131550	1205561	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,06	up
5819768	7131550	1205566	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,06	up
5833289	7131550	1205560	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,61	down
5934451	7131550	1205561	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,20	down
6122086	7131550	1205561	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,81	down
6138153	7131550	1205568	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,19	up
6188778	7131550	1205569	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,23	up
6338149	7131550	1205570	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,08	up
6547613	7131550	1205564	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,11	up
6019057	7181590	1329425	similar to testis nuclear RNA-binding protein-like	RGD1560949	292057	1,36	up
6057339	7181590	1329424	similar to testis nuclear RNA-binding protein-like	RGD1560949	292057	1,04	down
6579519	7181590	1329431	similar to testis nuclear RNA-binding protein-like	RGD1560949	292057	1,34	up
6580861	7181590	1329432	similar to testis nuclear RNA-binding protein-like	RGD1560949	292057	1,04	up
6621514	7181590	1329431	similar to testis nuclear RNA-binding protein-like	RGD1560949	292057	1,03	down
6727238	7181590	1329433	similar to testis nuclear RNA-binding protein-like	RGD1560949	292057	1,65	down
5648521	7192696	1357153	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,12	up
5673791	7192696	1357168	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,08	down
5834267	7192696	1357151	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,29	up
5852932	7192696	1357150	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,09	up
5904234	7192696	1357157	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,26	up
5905269	7192696	1357177	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,04	down
5968428	7192696	1357175	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,68	down
6003837	7192696	1357152	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,30	up
6014957	7192696	1357149	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	2,08	up
6015909	7192696	1357134	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,07	down
6026511	7192696	1357103	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,53	down
6069447	7192696	1357178	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,10	down
6077031	7192696	1357091	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,03	up
6078834	7192696	1357165	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,23	up
6149995	7192696	1357155	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,27	up
6185142	7192696	1357164	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,25	down
6225137	7192696	1357143	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	2,09	down
6334561	7192696	1357126	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,02	up
6344729	7192696	1357176	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,04	down
6348569	7192696	1357143	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,35	up
6354276	7192696	1357142	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,20	up
6386705	7192696	1357158	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,02	down
6423130	7192696	1357169	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,05	up
6429505	7192696	1357128	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,53	up
6471574	7192696	1357144	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,04	down
6481632	7192696	1357135	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,17	up
6502287	7192696	1357133	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,33	down
6547306	7192696	1357170	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,37	up
6564420	7192696	1357172	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,20	down
6594257	7192696	1357171	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,13	up
6632958	7192696	1357139	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,29	up
6651564	7192696	1357140	similar to Traf2 and NCK interacting kinase, splice variant 4	RGD1561817	294917	1,29	up
5676886	7043379	993654	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-sf	LOC683733	683733	1,09	down
5858212	7043379	993650	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-sf	LOC683733	683733	1,12	down
6040232	7043379	993650	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-sf	LOC683733	683733	1,36	down
6149014	7043379	993651	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-sf	LOC683733	683733	1,41	up
6364269	7043379	993654	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-sf	LOC683733	683733	1,40	up
6517072	7043379	993602	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-sf	LOC683733	683733	1,91	up
5618993	7258546	1518950	similar to Transmembrane protein 16B	LOC683001	683001	1,22	down
5707673	7258546	1518965	similar to Transmembrane protein 16B	LOC683001	683001	1,01	up
5821330	7258546	1518969	similar to Transmembrane protein 16B	LOC683001	683001	1,11	up

5829705	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	2,30	down
5908094	7258546	1519006	similar to Transmembrane protein 16B	LOC683001	683001	1,13	down
5927970	7258546	1518938	similar to Transmembrane protein 16B	LOC683001	683001	1,04	down
5953127	7258546	1518934	similar to Transmembrane protein 16B	LOC683001	683001	1,29	down
5979242	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	1,00	down
6190855	7258546	1519005	similar to Transmembrane protein 16B	LOC683001	683001	1,20	down
6256067	7258546	1518971	similar to Transmembrane protein 16B	LOC683001	683001	1,04	up
6259724	7258546	1518952	similar to Transmembrane protein 16B	LOC683001	683001	1,22	up
6264981	7258546	1518935	similar to Transmembrane protein 16B	LOC683001	683001	1,40	down
6266804	7258546	1519002	similar to Transmembrane protein 16B	LOC683001	683001	1,36	down
6276051	7258546	1519009	similar to Transmembrane protein 16B	LOC683001	683001	2,06	up
6331919	7258546	1518945	similar to Transmembrane protein 16B	LOC683001	683001	1,11	up
6331940	7258546	1518966	similar to Transmembrane protein 16B	LOC683001	683001	1,56	down
6353992	7258546	1519004	similar to Transmembrane protein 16B	LOC683001	683001	1,05	up
6374396	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	1,28	down
6383372	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	1,06	down
6410918	7258546	1518949	similar to Transmembrane protein 16B	LOC683001	683001	1,70	up
6467423	7258546	1518986	similar to Transmembrane protein 16B	LOC683001	683001	1,77	down
6488958	7258546	1518984	similar to Transmembrane protein 16B	LOC683001	683001	1,02	down
6572122	7258546	1518953	similar to Transmembrane protein 16B	LOC683001	683001	1,02	down
6581510	7258546	1518954	similar to Transmembrane protein 16B	LOC683001	683001	1,06	down
6643210	7258546	1518958	similar to Transmembrane protein 16B	LOC683001	683001	1,17	up
6216368	7058713	1028672	similar to Tumor protein p53 inducible protein 5	RGD1560565	499287	1,03	up
6386886	7058713	1028671	similar to Tumor protein p53 inducible protein 5	RGD1560565	499287	1,70	up
6477086	7058713	1028673	similar to Tumor protein p53 inducible protein 5	RGD1560565	499287	1,00	down
5866605	7337314	1712899	similar to ubiquitin-associated protein 1	LOC691574	691574	1,12	down
6243338	7337314	1712900	similar to ubiquitin-associated protein 1	LOC691574	691574	1,03	up
6590338	7337314	1712898	similar to ubiquitin-associated protein 1	LOC691574	691574	1,07	down
5829452	7154655	1262309	similar to UPF0308 protein C9orf21	LOC498685	498685	1,25	up
5975314	7154655	1262317	similar to UPF0308 protein C9orf21	LOC498685	498685	1,50	up
6313523	7154655	1262312	similar to UPF0308 protein C9orf21	LOC498685	498685	1,65	down
6355124	7154655	1262310	similar to UPF0308 protein C9orf21	LOC498685	498685	1,11	down
6462734	7154655	1262311	similar to UPF0308 protein C9orf21	LOC498685	498685	1,21	down
5733264	7036870	977871	similar to yippee-like 3	RGD1564579	293491	1,06	up
5858068	7036870	977872	similar to yippee-like 3	RGD1564579	293491	1,15	down
6155980	7036870	977870	similar to yippee-like 3	RGD1564579	293491	1,26	down
6354878	7036870	977871	similar to yippee-like 3	RGD1564579	293491	1,05	down
6596556	7036870	977872	similar to yippee-like 3	RGD1564579	293491	1,66	up
5674502	7253453	1506155	similar to Zinc finger and SCAN domain containing protein 2 (Zinc finger protein	RGD1559747	312310	1,15	down
5748171	7253453	1506155	similar to Zinc finger and SCAN domain containing protein 2 (Zinc finger protein	RGD1559747	312310	2,27	down
5992675	7253453	1506157	similar to Zinc finger and SCAN domain containing protein 2 (Zinc finger protein	RGD1559747	312310	1,18	down
6085550	7253453	1506151	similar to Zinc finger and SCAN domain containing protein 2 (Zinc finger protein	RGD1559747	312310	1,02	down
6589147	7253453	1506156	similar to Zinc finger and SCAN domain containing protein 2 (Zinc finger protein	RGD1559747	312310	1,11	down
6626906	7253453	1506155	similar to Zinc finger and SCAN domain containing protein 2 (Zinc finger protein	RGD1559747	312310	1,10	up
5664690	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,16	up
5816518	7302098	1627164	similar to zinc finger protein 238	LOC691556	691556	1,32	down
5819864	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,61	up
5885369	7302098	1627161	similar to zinc finger protein 238	LOC691556	691556	2,42	down
5939184	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,16	up
6010294	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,47	down
6044583	7302098	1627162	similar to zinc finger protein 238	LOC691556	691556	1,18	down
6125504	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,04	up
6179185	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,25	up
6289995	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,59	up
6312744	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,07	up
6481198	7302098	1627163	similar to zinc finger protein 238	LOC691556	691556	1,05	down

6548879	7302098	1627162	similar to zinc finger protein 238	LOC691556	691556	1,09	up
5621346	7228520	1443743	similar to zinc finger protein 650	RGD1565257	311115	1,39	up
5626692	7228520	1443753	similar to zinc finger protein 650	RGD1565257	311115	1,51	up
5711872	7228520	1443763	similar to zinc finger protein 650	RGD1565257	311115	1,60	down
5837746	7228520	1443760	similar to zinc finger protein 650	RGD1565257	311115	1,26	up
5839274	7228520	1443767	similar to zinc finger protein 650	RGD1565257	311115	1,41	down
5842706	7228520	1443748	similar to zinc finger protein 650	RGD1565257	311115	1,20	up
5926083	7228520	1443765	similar to zinc finger protein 650	RGD1565257	311115	1,66	down
5941058	7228520	1443769	similar to zinc finger protein 650	RGD1565257	311115	1,36	down
6087815	7228520	1443747	similar to zinc finger protein 650	RGD1565257	311115	1,29	up
6122642	7228520	1443761	similar to zinc finger protein 650	RGD1565257	311115	1,16	down
6133001	7228520	1443766	similar to zinc finger protein 650	RGD1565257	311115	1,64	down
6156621	7228520	1443750	similar to zinc finger protein 650	RGD1565257	311115	1,71	up
6157650	7228520	1443762	similar to zinc finger protein 650	RGD1565257	311115	1,86	down
6197245	7228520	1443752	similar to zinc finger protein 650	RGD1565257	311115	1,28	up
6202993	7228520	1443764	similar to zinc finger protein 650	RGD1565257	311115	1,80	down
6261369	7228520	1443747	similar to zinc finger protein 650	RGD1565257	311115	1,20	up
6295115	7228520	1443755	similar to zinc finger protein 650	RGD1565257	311115	2,05	up
6384381	7228520	1443766	similar to zinc finger protein 650	RGD1565257	311115	1,83	down
6502579	7228520	1443754	similar to zinc finger protein 650	RGD1565257	311115	1,64	up
6535099	7228520	1443748	similar to zinc finger protein 650	RGD1565257	311115	1,55	up
6559348	7228520	1443751	similar to zinc finger protein 650	RGD1565257	311115	1,17	up
6583979	7228520	1443768	similar to zinc finger protein 650	RGD1565257	311115	1,61	down
6598334	7228520	1443749	similar to zinc finger protein 650	RGD1565257	311115	1,39	up
5624651	7333333	1703393	similar to zinc finger protein 75	RGD1565419	500950	1,11	down
5772260	7333333	1703388	similar to zinc finger protein 75	RGD1565419	500950	1,16	down
5828470	7333333	1703390	similar to zinc finger protein 75	RGD1565419	500950	1,16	down
5859354	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,14	down
5865614	7333333	1703399	similar to zinc finger protein 75	RGD1565419	500950	1,18	up
5960413	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,81	down
5999400	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,34	up
6038419	7333333	1703400	similar to zinc finger protein 75	RGD1565419	500950	1,12	up
6155843	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,25	up
6162467	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,01	up
6254452	7333333	1703401	similar to zinc finger protein 75	RGD1565419	500950	1,24	up
6288753	7333333	1703400	similar to zinc finger protein 75	RGD1565419	500950	1,04	down
6312043	7333333	1703397	similar to zinc finger protein 75	RGD1565419	500950	1,17	up
6334003	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,04	up
6414093	7333333	1703391	similar to zinc finger protein 75	RGD1565419	500950	1,05	down
6689049	7333333	1703398	similar to zinc finger protein 75	RGD1565419	500950	1,07	down
5800849	7168858	1296849	Sin3A associated protein	Sap130	307527	1,81	down
5864748	7168858	1296849	Sin3A associated protein	Sap130	307527	1,61	up
6004641	7168858	1296849	Sin3A associated protein	Sap130	307527	1,10	up
6514809	7168858	1296849	Sin3A associated protein	Sap130	307527	1,26	up
6741405	7168858	1296849	Sin3A associated protein	Sap130	307527	1,48	down
5701797	7029386	959412	SIX homeobox 5	Six5	308406	1,14	down
5786113	7029386	959413	SIX homeobox 5	Six5	308406	1,06	up
5847698	7029386	959413	SIX homeobox 5	Six5	308406	1,15	down
5916772	7029386	959410	SIX homeobox 5	Six5	308406	1,28	down
6181296	7029386	959412	SIX homeobox 5	Six5	308406	1,39	up
6206805	7029386	959411	SIX homeobox 5	Six5	308406	1,07	up
6213342	7029386	959411	SIX homeobox 5	Six5	308406	1,25	up
6298846	7029386	959412	SIX homeobox 5	Six5	308406	1,04	down
6308751	7029386	959410	SIX homeobox 5	Six5	308406	1,65	down
6696124	7029386	959413	SIX homeobox 5	Six5	308406	1,25	down
6696619	7029386	959410	SIX homeobox 5	Six5	308406	2,46	down

6016928	7307721	1642013	Six6 opposite strand transcript 1	Six6os1	500673	1,15	down
6584825	7307721	1642012	Six6 opposite strand transcript 1	Six6os1	500673	1,02	down
5884099	7228467	1443666	Sjogren syndrome antigen B	Ssb	81783	1,04	up
5953507	7228467	1443672	Sjogren syndrome antigen B	Ssb	81783	1,13	down
6015082	7228467	1443675	Sjogren syndrome antigen B	Ssb	81783	1,26	down
6092798	7228467	1443674	Sjogren syndrome antigen B	Ssb	81783	1,35	down
6182776	7228467	1443665	Sjogren syndrome antigen B	Ssb	81783	1,22	up
6306721	7228467	1443669	Sjogren syndrome antigen B	Ssb	81783	1,10	down
6337630	7228467	1443668	Sjogren syndrome antigen B	Ssb	81783	2,42	down
6406620	7228467	1443670	Sjogren syndrome antigen B	Ssb	81783	1,48	up
6453940	7228467	1443673	Sjogren syndrome antigen B	Ssb	81783	1,49	down
6507290	7228467	1443667	Sjogren syndrome antigen B	Ssb	81783	1,13	up
6546297	7228467	1443674	Sjogren syndrome antigen B	Ssb	81783	2,00	up
6616386	7228467	1443671	Sjogren syndrome antigen B	Ssb	81783	1,03	down
6622159	7228467	1443675	Sjogren syndrome antigen B	Ssb	81783	1,37	up
6727814	7228467	1443665	Sjogren syndrome antigen B	Ssb	81783	1,18	up
6562374	7114108	1162448	SLAM family member 7	Slamf7	364049	1,03	up
5647063	7059502	1030378	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,00	up
5702845	7059502	1030371	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,03	up
5781071	7059502	1030383	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,00	up
5785855	7059502	1030384	slingshot homolog 3 (Drosophila)	Ssh3	365396	2,04	up
5804286	7059502	1030376	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,08	up
5949796	7059502	1030375	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,12	up
6047011	7059502	1030372	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,31	down
6058176	7059502	1030370	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,06	down
6069627	7059502	1030371	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,19	up
6096943	7059502	1030369	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,01	down
6101365	7059502	1030377	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,29	down
6208224	7059502	1030370	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,19	down
6290650	7059502	1030373	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,11	up
6484595	7059502	1030380	slingshot homolog 3 (Drosophila)	Ssh3	365396	2,05	down
6526024	7059502	1030382	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,27	down
6619783	7059502	1030370	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,08	up
6651415	7059502	1030374	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,07	down
6681435	7059502	1030379	slingshot homolog 3 (Drosophila)	Ssh3	365396	1,21	down
5621481	7062628	1038081	slit homolog 1 (Drosophila)	Slit1	65047	1,06	up
5625302	7062628	1038109	slit homolog 1 (Drosophila)	Slit1	65047	1,04	up
5638152	7062628	1038097	slit homolog 1 (Drosophila)	Slit1	65047	1,47	up
5653068	7062628	1038081	slit homolog 1 (Drosophila)	Slit1	65047	1,66	up
5656728	7062628	1038080	slit homolog 1 (Drosophila)	Slit1	65047	1,32	up
5685253	7062628	1038086	slit homolog 1 (Drosophila)	Slit1	65047	1,66	up
5727905	7062628	1038087	slit homolog 1 (Drosophila)	Slit1	65047	1,03	up
5764765	7062628	1038088	slit homolog 1 (Drosophila)	Slit1	65047	1,13	up
5777527	7062628	1038107	slit homolog 1 (Drosophila)	Slit1	65047	1,26	down
5796880	7062628	1038085	slit homolog 1 (Drosophila)	Slit1	65047	1,18	up
5807274	7062628	1038098	slit homolog 1 (Drosophila)	Slit1	65047	1,40	down
5839232	7062628	1038092	slit homolog 1 (Drosophila)	Slit1	65047	1,21	up
5932574	7062628	1038106	slit homolog 1 (Drosophila)	Slit1	65047	1,81	down
5937518	7062628	1038090	slit homolog 1 (Drosophila)	Slit1	65047	1,24	down
5937549	7062628	1038089	slit homolog 1 (Drosophila)	Slit1	65047	1,61	up
5941958	7062628	1038085	slit homolog 1 (Drosophila)	Slit1	65047	1,13	down
6061998	7062628	1038099	slit homolog 1 (Drosophila)	Slit1	65047	1,02	down
6129985	7062628	1038093	slit homolog 1 (Drosophila)	Slit1	65047	1,04	down
6162870	7062628	1038084	slit homolog 1 (Drosophila)	Slit1	65047	1,06	down
6302731	7062628	1038105	slit homolog 1 (Drosophila)	Slit1	65047	1,62	down
6306693	7062628	1038110	slit homolog 1 (Drosophila)	Slit1	65047	1,56	down

6321697	7062628	1038103	slit homolog 1 (Drosophila)	Slit1	65047	1,32	down
6333878	7062628	1038083	slit homolog 1 (Drosophila)	Slit1	65047	1,03	down
6413193	7062628	1038111	slit homolog 1 (Drosophila)	Slit1	65047	1,98	up
6428077	7062628	1038101	slit homolog 1 (Drosophila)	Slit1	65047	1,13	down
6462561	7062628	1038108	slit homolog 1 (Drosophila)	Slit1	65047	1,13	up
6485781	7062628	1038091	slit homolog 1 (Drosophila)	Slit1	65047	1,08	up
6507017	7062628	1038094	slit homolog 1 (Drosophila)	Slit1	65047	1,11	up
6551096	7062628	1038080	slit homolog 1 (Drosophila)	Slit1	65047	1,48	up
6577349	7062628	1038079	slit homolog 1 (Drosophila)	Slit1	65047	2,04	up
6581993	7062628	1038104	slit homolog 1 (Drosophila)	Slit1	65047	1,62	down
6599994	7062628	1038102	slit homolog 1 (Drosophila)	Slit1	65047	1,28	down
6612543	7062628	1038096	slit homolog 1 (Drosophila)	Slit1	65047	1,12	down
6654266	7062628	1038082	slit homolog 1 (Drosophila)	Slit1	65047	1,72	down
6660296	7062628	1038112	slit homolog 1 (Drosophila)	Slit1	65047	1,07	up
6674373	7062628	1038095	slit homolog 1 (Drosophila)	Slit1	65047	1,48	up
6675367	7062628	1038107	slit homolog 1 (Drosophila)	Slit1	65047	1,26	down
6682386	7062628	1038100	slit homolog 1 (Drosophila)	Slit1	65047	1,65	down
6691778	7062628	1038080	slit homolog 1 (Drosophila)	Slit1	65047	1,80	up
5684272	7172144	1305045	SMAD family member 7	Smad7	81516	1,34	up
5703443	7172144	1305043	SMAD family member 7	Smad7	81516	1,35	up
5802350	7172144	1305043	SMAD family member 7	Smad7	81516	1,04	up
6051275	7172144	1305043	SMAD family member 7	Smad7	81516	1,14	down
6070373	7172144	1305044	SMAD family member 7	Smad7	81516	2,93	down
6124035	7172144	1305047	SMAD family member 7	Smad7	81516	1,29	up
6171589	7172144	1305043	SMAD family member 7	Smad7	81516	1,10	down
6242631	7172144	1305043	SMAD family member 7	Smad7	81516	1,13	down
6352200	7172144	1305042	SMAD family member 7	Smad7	81516	1,40	up
6444695	7172144	1305043	SMAD family member 7	Smad7	81516	1,00	up
6482456	7172144	1305043	SMAD family member 7	Smad7	81516	1,16	up
6507297	7172144	1305046	SMAD family member 7	Smad7	81516	1,09	up
6673274	7172144	1305042	SMAD family member 7	Smad7	81516	1,17	down
6681516	7172144	1305044	SMAD family member 7	Smad7	81516	1,12	down
5940372	7194141	1361090	SMAD family member 9	Smad9	85435	2,31	down
6189848	7194141	1361091	SMAD family member 9	Smad9	85435	1,24	down
6249304	7194141	1361093	SMAD family member 9	Smad9	85435	1,53	up
6285854	7194141	1361089	SMAD family member 9	Smad9	85435	1,81	down
6443452	7194141	1361089	SMAD family member 9	Smad9	85435	1,61	up
6450812	7194141	1361093	SMAD family member 9	Smad9	85435	1,51	up
6588958	7194141	1361092	SMAD family member 9	Smad9	85435	1,09	down
6138673	7167819	1293858	small nuclear ribonucleoprotein D1	Snrpd1	291794	1,35	up
6162773	7167819	1293854	small nuclear ribonucleoprotein D1	Snrpd1	291794	1,00	down
6244541	7167819	1293856	small nuclear ribonucleoprotein D1	Snrpd1	291794	2,21	down
6519588	7167819	1293858	small nuclear ribonucleoprotein D1	Snrpd1	291794	1,23	down
6665122	7167819	1293855	small nuclear ribonucleoprotein D1	Snrpd1	291794	1,21	up
5634824	7233298	1456281	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,09	down
5932457	7233298	1456277	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	3,81	up
6372165	7233298	1456276	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,21	up
6467249	7233298	1456280	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,46	down
6489074	7233298	1456281	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,67	down
6562615	7233298	1456275	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,28	up
6609158	7233298	1456278	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,76	up
5702698	7122131	1182673	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,25	up
5739867	7122131	1182676	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,37	down
5779830	7122131	1182667	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,23	up
5802188	7122131	1182678	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,20	down
5902907	7122131	1182679	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,06	up

5912628	7122131	1182685	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,32	down
5982224	7122131	1182681	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,05	up
6083665	7122131	1182686	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,09	down
6156479	7122131	1182683	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,18	down
6158605	7122131	1182667	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,99	down
6252717	7122131	1182674	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,15	down
6379073	7122131	1182688	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,14	up
6454831	7122131	1182687	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,21	up
6472746	7122131	1182682	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,04	down
6493431	7122131	1182677	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,12	down
6500070	7122131	1182688	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,12	up
6588466	7122131	1182675	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,09	down
6356048	7079600	1078625	smoothelin-like 2	Smtnl2	679629	1,15	up
5623233	7082122	1084168	SNAP25-interacting protein	Snip	56029	1,11	up
5749658	7082122	1084176	SNAP25-interacting protein	Snip	56029	1,03	down
5795088	7082122	1084163	SNAP25-interacting protein	Snip	56029	1,27	down
5918349	7082122	1084173	SNAP25-interacting protein	Snip	56029	1,08	up
5933078	7082122	1084171	SNAP25-interacting protein	Snip	56029	1,24	up
6006368	7082122	1084174	SNAP25-interacting protein	Snip	56029	1,30	down
6082862	7082122	1084170	SNAP25-interacting protein	Snip	56029	1,05	up
6125116	7082122	1084175	SNAP25-interacting protein	Snip	56029	1,61	down
6155680	7082122	1084167	SNAP25-interacting protein	Snip	56029	1,02	down
6156770	7082122	1084163	SNAP25-interacting protein	Snip	56029	2,39	up
6196571	7082122	1084166	SNAP25-interacting protein	Snip	56029	1,16	down
6197011	7082122	1084164	SNAP25-interacting protein	Snip	56029	1,03	down
6231047	7082122	1084171	SNAP25-interacting protein	Snip	56029	1,14	down
6244804	7082122	1084177	SNAP25-interacting protein	Snip	56029	1,04	down
6348496	7082122	1084179	SNAP25-interacting protein	Snip	56029	1,18	down
6464169	7082122	1084169	SNAP25-interacting protein	Snip	56029	1,01	down
6477755	7082122	1084163	SNAP25-interacting protein	Snip	56029	1,04	up
6483938	7082122	1084178	SNAP25-interacting protein	Snip	56029	1,03	down
6522656	7082122	1084165	SNAP25-interacting protein	Snip	56029	1,00	down
6609839	7082122	1084166	SNAP25-interacting protein	Snip	56029	1,03	down
6670446	7082122	1084163	SNAP25-interacting protein	Snip	56029	1,10	up
6688716	7082122	1084172	SNAP25-interacting protein	Snip	56029	1,09	down
5761220	7208027	1394483	sodium channel and clathrin linker 1	Sclt1	266809	1,09	up
5826089	7208027	1394471	sodium channel and clathrin linker 1	Sclt1	266809	1,36	down
5842416	7208027	1394484	sodium channel and clathrin linker 1	Sclt1	266809	1,31	up
5912934	7208027	1394479	sodium channel and clathrin linker 1	Sclt1	266809	1,83	up
5921550	7208027	1394473	sodium channel and clathrin linker 1	Sclt1	266809	1,19	down
5958283	7208027	1394475	sodium channel and clathrin linker 1	Sclt1	266809	1,36	down
6029152	7208027	1394481	sodium channel and clathrin linker 1	Sclt1	266809	1,59	down
6101782	7208027	1394471	sodium channel and clathrin linker 1	Sclt1	266809	2,69	down
6157329	7208027	1394482	sodium channel and clathrin linker 1	Sclt1	266809	1,02	down
6231560	7208027	1394472	sodium channel and clathrin linker 1	Sclt1	266809	1,40	down
6273180	7208027	1394478	sodium channel and clathrin linker 1	Sclt1	266809	1,02	up
6298765	7208027	1394487	sodium channel and clathrin linker 1	Sclt1	266809	1,45	down
6304608	7208027	1394476	sodium channel and clathrin linker 1	Sclt1	266809	1,07	down
6421685	7208027	1394477	sodium channel and clathrin linker 1	Sclt1	266809	1,15	up
6425278	7208027	1394488	sodium channel and clathrin linker 1	Sclt1	266809	1,14	down
6479149	7208027	1394474	sodium channel and clathrin linker 1	Sclt1	266809	1,16	up
6535672	7208027	1394485	sodium channel and clathrin linker 1	Sclt1	266809	1,15	up
6583438	7208027	1394489	sodium channel and clathrin linker 1	Sclt1	266809	1,04	up
6636390	7208027	1394486	sodium channel and clathrin linker 1	Sclt1	266809	1,16	down
6680672	7208027	1394480	sodium channel and clathrin linker 1	Sclt1	266809	1,87	up
6708180	7208027	1394490	sodium channel and clathrin linker 1	Sclt1	266809	1,05	up

6731771	7208027	1394470	sodium channel and clathrin linker 1	Sc1t1	266809	1,13	down
5640803	7258507	1518827	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,15	up
5719047	7258507	1518831	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,41	down
5726151	7258507	1518824	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,28	up
5736687	7258507	1518833	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,33	up
5778882	7258507	1518832	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,00	down
5858992	7258507	1518836	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,24	up
5947997	7258507	1518836	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,06	up
6029090	7258507	1518835	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,02	down
6166453	7258507	1518829	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,29	up
6208057	7258507	1518836	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	2,01	down
6234824	7258507	1518830	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,10	down
6373409	7258507	1518828	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,21	up
6422303	7258507	1518826	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,03	up
6501368	7258507	1518837	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,07	up
6627990	7258507	1518834	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,04	down
6643789	7258507	1518836	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,12	up
6697447	7258507	1518836	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,06	up
6716934	7258507	1518825	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,05	up
6732452	7258507	1518823	sodium channel, nonvoltage-gated, type I, alpha	Scnn1a	25122	1,16	up
5651835	7320850	1674419	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,61	up
5745852	7320850	1674416	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,29	down
5792857	7320850	1674405	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,20	up
5820998	7320850	1674419	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,61	down
5825755	7320850	1674412	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,02	down
5837293	7320850	1674410	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,50	up
5915914	7320850	1674399	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,39	up
5940416	7320850	1674408	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,55	down
5958645	7320850	1674418	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,02	up
5960248	7320850	1674392	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,11	up
6024274	7320850	1674395	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,15	up
6051592	7320850	1674413	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,51	up
6062548	7320850	1674409	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	up
6169362	7320850	1674408	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,07	up
6265290	7320850	1674402	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,84	down
6415427	7320850	1674411	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	2,17	down
6472163	7320850	1674419	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,20	down
6486047	7320850	1674398	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,01	up
6504951	7320850	1674403	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,60	down
6533596	7320850	1674417	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,03	up
6555833	7320850	1674406	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,23	down
6562085	7320850	1674404	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,13	up
6565086	7320850	1674414	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,23	down
6565880	7320850	1674397	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,03	down
6570454	7320850	1674400	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,27	down
6573417	7320850	1674415	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,19	down
6614121	7320850	1674401	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,00	up
6626303	7320850	1674394	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,33	up
6719842	7320850	1674393	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,45	down
6735738	7320850	1674396	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,23	up
5674200	7239774	1473301	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,37	up
5810756	7239774	1473311	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,02	down
5818296	7239774	1473320	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,06	down
5847584	7239774	1473319	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,31	down
5899113	7239774	1473317	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,20	up

5899941	7239774	1473318	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,22	down
5934625	7239774	1473310	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,56	up
6011802	7239774	1473317	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,20	up
6019808	7239774	1473322	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,14	up
6028500	7239774	1473297	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,49	up
6033055	7239774	1473308	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,23	down
6091053	7239774	1473313	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,36	up
6093429	7239774	1473312	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,29	down
6138572	7239774	1473299	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,19	down
6244319	7239774	1473311	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,13	down
6248739	7239774	1473304	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,07	down
6252160	7239774	1473314	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,06	down
6263953	7239774	1473305	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,44	down
6272367	7239774	1473315	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,07	down
6287761	7239774	1473302	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,20	up
6328973	7239774	1473303	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,17	up
6357438	7239774	1473309	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,09	down
6479684	7239774	1473307	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,36	up
6523562	7239774	1473298	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	2,30	up
6549745	7239774	1473306	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,07	down
6550800	7239774	1473300	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,02	down
6556185	7239774	1473316	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,26	down
6559857	7239774	1473321	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,12	down
6586440	7239774	1473309	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,17	down
5656260	7350894	1747183	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,15	down
5696873	7350894	1747183	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,55	down
5700084	7350894	1747170	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,02	down
5758462	7350894	1747181	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,01	down
5809739	7350894	1747189	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,22	up
5866359	7350894	1747182	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,27	up
5873677	7350894	1747166	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,07	up
5949101	7350894	1747174	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,65	up
5954590	7350894	1747171	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	2,30	down
5956678	7350894	1747172	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,01	down
6077757	7350894	1747193	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,44	down
6084663	7350894	1747167	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,12	down
6101143	7350894	1747188	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,06	down
6119997	7350894	1747184	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,46	up
6203915	7350894	1747173	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,02	down
6240139	7350894	1747175	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,01	down
6255129	7350894	1747177	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,12	down
6337110	7350894	1747186	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,29	up
6337277	7350894	1747190	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,04	down
6348769	7350894	1747192	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,95	up
6373295	7350894	1747178	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,29	down
6433809	7350894	1747191	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,07	up
6438886	7350894	1747169	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,05	down
6469185	7350894	1747193	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,29	up
6472334	7350894	1747187	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,00	up
6563039	7350894	1747168	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,14	down
6608359	7350894	1747176	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,09	down
6646439	7350894	1747179	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,02	down
6660338	7350894	1747194	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,01	down
6687524	7350894	1747180	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,05	down
6718030	7350894	1747185	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,32	up
5700337	7142431	1231877	sodium leak channel, non-selective	Nalcn	266760	1,21	up

5782035	7142431	1231870	sodium leak channel, non-selective	Nalcn	266760	1,05	up
5789239	7142431	1231871	sodium leak channel, non-selective	Nalcn	266760	1,06	up
5860957	7142431	1231853	sodium leak channel, non-selective	Nalcn	266760	1,32	up
5866945	7142431	1231859	sodium leak channel, non-selective	Nalcn	266760	1,81	down
5908233	7142431	1231865	sodium leak channel, non-selective	Nalcn	266760	1,20	up
5960535	7142431	1231849	sodium leak channel, non-selective	Nalcn	266760	1,39	down
5961695	7142431	1231847	sodium leak channel, non-selective	Nalcn	266760	1,16	up
5968836	7142431	1231857	sodium leak channel, non-selective	Nalcn	266760	1,04	up
5979788	7142431	1231855	sodium leak channel, non-selective	Nalcn	266760	1,05	up
6049397	7142431	1231872	sodium leak channel, non-selective	Nalcn	266760	1,03	down
6086352	7142431	1231876	sodium leak channel, non-selective	Nalcn	266760	1,05	down
6088028	7142431	1231858	sodium leak channel, non-selective	Nalcn	266760	1,01	up
6101481	7142431	1231869	sodium leak channel, non-selective	Nalcn	266760	1,50	down
6102965	7142431	1231879	sodium leak channel, non-selective	Nalcn	266760	1,52	up
6120152	7142431	1231862	sodium leak channel, non-selective	Nalcn	266760	1,05	down
6167495	7142431	1231856	sodium leak channel, non-selective	Nalcn	266760	1,94	down
6201529	7142431	1231881	sodium leak channel, non-selective	Nalcn	266760	1,45	up
6210435	7142431	1231867	sodium leak channel, non-selective	Nalcn	266760	1,29	down
6219483	7142431	1231873	sodium leak channel, non-selective	Nalcn	266760	1,04	up
6235760	7142431	1231848	sodium leak channel, non-selective	Nalcn	266760	1,05	up
6258301	7142431	1231875	sodium leak channel, non-selective	Nalcn	266760	1,21	down
6299316	7142431	1231852	sodium leak channel, non-selective	Nalcn	266760	1,04	up
6357553	7142431	1231846	sodium leak channel, non-selective	Nalcn	266760	1,03	down
6371439	7142431	1231868	sodium leak channel, non-selective	Nalcn	266760	1,05	up
6396124	7142431	1231866	sodium leak channel, non-selective	Nalcn	266760	1,08	down
6439730	7142431	1231851	sodium leak channel, non-selective	Nalcn	266760	1,16	down
6442182	7142431	1231864	sodium leak channel, non-selective	Nalcn	266760	1,13	up
6472523	7142431	1231863	sodium leak channel, non-selective	Nalcn	266760	1,18	down
6473662	7142431	1231880	sodium leak channel, non-selective	Nalcn	266760	1,03	down
6491689	7142431	1231878	sodium leak channel, non-selective	Nalcn	266760	2,14	up
6512650	7142431	1231860	sodium leak channel, non-selective	Nalcn	266760	1,11	down
6608416	7142431	1231850	sodium leak channel, non-selective	Nalcn	266760	1,14	down
6612405	7142431	1231861	sodium leak channel, non-selective	Nalcn	266760	1,00	up
6644356	7142431	1231874	sodium leak channel, non-selective	Nalcn	266760	1,31	up
6665717	7142431	1231854	sodium leak channel, non-selective	Nalcn	266760	1,12	down
5624011	7185012	1337902	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,03	up
5678170	7185012	1337921	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,02	up
5690886	7185012	1337920	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,26	down
5709382	7185012	1337901	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,14	down
5803283	7185012	1337904	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,61	up
5804968	7185012	1337900	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	2,68	up
5831361	7185012	1337900	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,19	down
5833612	7185012	1337906	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,84	down
5863563	7185012	1337903	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,08	up
5898047	7185012	1337906	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,19	down
5909802	7185012	1337911	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,26	down
5925572	7185012	1337914	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,14	down
5935509	7185012	1337923	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,37	up
6110173	7185012	1337918	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,65	down
6126239	7185012	1337909	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,05	up
6147458	7185012	1337907	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,26	down
6208382	7185012	1337918	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,62	up
6245911	7185012	1337900	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,32	up
6249808	7185012	1337910	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,11	down
6254109	7185012	1337910	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,16	down
6289839	7185012	1337915	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,17	down

6311404	7185012	1337912	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,12	up
6459505	7185012	1337913	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,31	up
6480112	7185012	1337908	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,14	down
6522137	7185012	1337916	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,32	down
6535302	7185012	1337905	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,02	up
6552922	7185012	1337917	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,09	up
6606891	7185012	1337919	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,08	down
6709491	7185012	1337922	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,18	up
5621656	7231152	1450228	solute carrier family 12, member 6	Slc12a6	691209	1,13	up
5656604	7231152	1450259	solute carrier family 12, member 6	Slc12a6	691209	1,41	down
5693148	7231152	1450242	solute carrier family 12, member 6	Slc12a6	691209	1,00	down
5759681	7231152	1450246	solute carrier family 12, member 6	Slc12a6	691209	1,20	down
5795097	7231152	1450251	solute carrier family 12, member 6	Slc12a6	691209	1,14	down
5811046	7231152	1450228	solute carrier family 12, member 6	Slc12a6	691209	1,22	down
5831342	7231152	1450247	solute carrier family 12, member 6	Slc12a6	691209	1,03	down
5850327	7231152	1450256	solute carrier family 12, member 6	Slc12a6	691209	1,32	down
5917115	7231152	1450241	solute carrier family 12, member 6	Slc12a6	691209	1,18	down
5957862	7231152	1450260	solute carrier family 12, member 6	Slc12a6	691209	1,12	down
6026180	7231152	1450249	solute carrier family 12, member 6	Slc12a6	691209	1,44	down
6052675	7231152	1450261	solute carrier family 12, member 6	Slc12a6	691209	1,08	down
6065891	7231152	1450240	solute carrier family 12, member 6	Slc12a6	691209	1,00	down
6096607	7231152	1450238	solute carrier family 12, member 6	Slc12a6	691209	1,25	up
6123549	7231152	1450244	solute carrier family 12, member 6	Slc12a6	691209	1,08	up
6180644	7231152	1450253	solute carrier family 12, member 6	Slc12a6	691209	1,35	down
6211872	7231152	1450245	solute carrier family 12, member 6	Slc12a6	691209	1,30	down
6398368	7231152	1450245	solute carrier family 12, member 6	Slc12a6	691209	1,43	down
6405995	7231152	1450239	solute carrier family 12, member 6	Slc12a6	691209	1,52	down
6416351	7231152	1450255	solute carrier family 12, member 6	Slc12a6	691209	1,15	down
6518985	7231152	1450258	solute carrier family 12, member 6	Slc12a6	691209	1,20	down
6572220	7231152	1450243	solute carrier family 12, member 6	Slc12a6	691209	1,11	down
6593065	7231152	1450249	solute carrier family 12, member 6	Slc12a6	691209	1,18	down
6624395	7231152	1450248	solute carrier family 12, member 6	Slc12a6	691209	1,48	down
6670508	7231152	1450257	solute carrier family 12, member 6	Slc12a6	691209	1,24	down
6685894	7231152	1450252	solute carrier family 12, member 6	Slc12a6	691209	1,08	down
6695104	7231152	1450254	solute carrier family 12, member 6	Slc12a6	691209	1,32	up
6720071	7231152	1450258	solute carrier family 12, member 6	Slc12a6	691209	1,10	down
5655861	7039734	984870	solute carrier family 15, member 3	Slc15a3	246239	1,02	down
5698133	7039734	984873	solute carrier family 15, member 3	Slc15a3	246239	1,10	up
5753053	7039734	984871	solute carrier family 15, member 3	Slc15a3	246239	2,37	up
5775550	7039734	984875	solute carrier family 15, member 3	Slc15a3	246239	1,21	down
5845663	7039734	984872	solute carrier family 15, member 3	Slc15a3	246239	1,00	up
5932975	7039734	984874	solute carrier family 15, member 3	Slc15a3	246239	1,07	down
6250915	7039734	984876	solute carrier family 15, member 3	Slc15a3	246239	1,17	down
6292633	7039734	984876	solute carrier family 15, member 3	Slc15a3	246239	1,70	down
6501765	7039734	984871	solute carrier family 15, member 3	Slc15a3	246239	1,27	down
6590680	7039734	984870	solute carrier family 15, member 3	Slc15a3	246239	1,18	down
6694850	7039734	984869	solute carrier family 15, member 3	Slc15a3	246239	1,05	up
6712216	7039734	984870	solute carrier family 15, member 3	Slc15a3	246239	1,29	up
5630671	7279020	1570524	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,96	up
5641095	7279020	1570530	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,09	down
5679473	7279020	1570528	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,14	down
5752585	7279020	1570526	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,18	up
5834936	7279020	1570524	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,04	down
5839359	7279020	1570527	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,15	up
5904241	7279020	1570531	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,27	down
6007677	7279020	1570529	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,23	down

6027800	7279020	1570534	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,18	down
6077109	7279020	1570533	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,03	down
6356727	7279020	1570524	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	7,04	down
6533472	7279020	1570525	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,01	down
6594222	7279020	1570532	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,30	up
6622915	7279020	1570526	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,07	down
5645887	7330872	1697659	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,27	up
5687848	7330872	1697669	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,04	up
5825445	7330872	1697669	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	4,12	up
6127958	7330872	1697669	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,03	down
6179918	7330872	1697661	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,12	down
6351329	7330872	1697660	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,84	down
6369367	7330872	1697668	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,01	down
6440772	7330872	1697662	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,01	up
6542764	7330872	1697663	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,33	down
6549615	7330872	1697665	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,12	up
6558637	7330872	1697666	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,91	up
6558827	7330872	1697664	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,10	down
6560382	7330872	1697667	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,22	up
6602479	7330872	1697664	solute carrier family 2 (facilitated glucose transporter), member 13	Slc2a13	171147	1,25	down
5791290	7281641	1577022	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,02	up
5900005	7281641	1577011	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,28	up
5995223	7281641	1577012	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,09	down
6062680	7281641	1577021	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,78	up
6079535	7281641	1577018	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,05	down
6263989	7281641	1577017	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,00	up
6395273	7281641	1577016	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,40	down
6565481	7281641	1577013	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,05	up
6577157	7281641	1577015	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,02	up
6578063	7281641	1577020	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,60	down
6666303	7281641	1577014	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,51	up
6723901	7281641	1577016	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	2,18	down
6738396	7281641	1577022	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,58	up
6741136	7281641	1577019	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Slc2a5	65197	1,01	up
5633376	7027131	954229	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,07	up
5644502	7027131	954221	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,16	down
5677957	7027131	954220	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,45	up
5681177	7027131	954224	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,54	down
5802122	7027131	954226	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,02	down
5983020	7027131	954225	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,04	up
5996250	7027131	954219	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,11	down
6034932	7027131	954229	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,06	down
6038708	7027131	954224	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	2,38	up
6085737	7027131	954219	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,14	up
6089299	7027131	954227	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,00	up
6110095	7027131	954223	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,60	up
6346005	7027131	954228	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,30	down
6384515	7027131	954222	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,60	up
6549272	7027131	954220	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,04	up
6681515	7027131	954227	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,57	down
6733994	7027131	954229	solute carrier family 22 (extraneuronal monoamine transporter), member 3	Slc22a3	29504	1,04	up
5703169	7350855	1747004	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,12	up
5997250	7350855	1747002	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,42	up
6000006	7350855	1747000	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	2,02	down
6001038	7350855	1746999	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,34	up
6122873	7350855	1747000	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,30	up

6149860	7350855	1747007	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,02	down
6175637	7350855	1747003	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,70	down
6240477	7350855	1747006	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,01	up
6389333	7350855	1747001	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,05	up
6500510	7350855	1747006	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,16	down
6553733	7350855	1747010	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,18	up
6582715	7350855	1747010	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,45	up
6705487	7350855	1746999	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,06	up
6707204	7350855	1747005	solute carrier family 22 (organic anion transporter), member 13	Slc22a13	316062	1,11	up
5767249	7138103	1221372	solute carrier family 22, member 17	Slc22a17	305886	1,29	up
5836134	7138103	1221366	solute carrier family 22, member 17	Slc22a17	305886	1,47	down
5917581	7138103	1221371	solute carrier family 22, member 17	Slc22a17	305886	1,19	up
5942565	7138103	1221373	solute carrier family 22, member 17	Slc22a17	305886	1,27	up
5962095	7138103	1221370	solute carrier family 22, member 17	Slc22a17	305886	1,07	down
6083716	7138103	1221372	solute carrier family 22, member 17	Slc22a17	305886	2,27	up
6107834	7138103	1221364	solute carrier family 22, member 17	Slc22a17	305886	1,06	up
6110900	7138103	1221367	solute carrier family 22, member 17	Slc22a17	305886	1,20	down
6136764	7138103	1221364	solute carrier family 22, member 17	Slc22a17	305886	1,36	down
6254752	7138103	1221368	solute carrier family 22, member 17	Slc22a17	305886	1,10	down
6358100	7138103	1221369	solute carrier family 22, member 17	Slc22a17	305886	1,29	up
6430554	7138103	1221363	solute carrier family 22, member 17	Slc22a17	305886	1,29	up
6447814	7138103	1221373	solute carrier family 22, member 17	Slc22a17	305886	1,09	up
6559993	7138103	1221365	solute carrier family 22, member 17	Slc22a17	305886	1,23	down
6718961	7138103	1221366	solute carrier family 22, member 17	Slc22a17	305886	1,02	up
6722075	7138103	1221372	solute carrier family 22, member 17	Slc22a17	305886	1,72	up
5642305	7038710	982328	solute carrier family 22, member 18	Slc22a18	309131	1,08	up
5744906	7038710	982322	solute carrier family 22, member 18	Slc22a18	309131	1,27	down
5956522	7038710	982324	solute carrier family 22, member 18	Slc22a18	309131	1,28	down
5957709	7038710	982325	solute carrier family 22, member 18	Slc22a18	309131	1,09	up
5985689	7038710	982323	solute carrier family 22, member 18	Slc22a18	309131	1,03	up
5991989	7038710	982320	solute carrier family 22, member 18	Slc22a18	309131	1,30	up
6011598	7038710	982330	solute carrier family 22, member 18	Slc22a18	309131	1,05	up
6046050	7038710	982323	solute carrier family 22, member 18	Slc22a18	309131	2,53	up
6049197	7038710	982329	solute carrier family 22, member 18	Slc22a18	309131	1,36	down
6055546	7038710	982320	solute carrier family 22, member 18	Slc22a18	309131	1,18	up
6122944	7038710	982328	solute carrier family 22, member 18	Slc22a18	309131	1,09	up
6193132	7038710	982321	solute carrier family 22, member 18	Slc22a18	309131	1,09	up
6286115	7038710	982327	solute carrier family 22, member 18	Slc22a18	309131	1,01	up
6427911	7038710	982320	solute carrier family 22, member 18	Slc22a18	309131	1,47	down
6547810	7038710	982320	solute carrier family 22, member 18	Slc22a18	309131	1,05	up
6634793	7038710	982324	solute carrier family 22, member 18	Slc22a18	309131	1,01	down
6640963	7038710	982326	solute carrier family 22, member 18	Slc22a18	309131	1,19	down
5636375	7301140	1624563	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,73	up
5682114	7301140	1624540	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,74	up
5723299	7301140	1624585	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,06	down
5802382	7301140	1624589	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,20	down
5882233	7301140	1624541	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,01	down
5889364	7301140	1624568	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	2,15	up
5935670	7301140	1624566	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,05	up
5941521	7301140	1624578	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,80	up
6050698	7301140	1624545	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,01	down
6113884	7301140	1624569	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,12	up
6139194	7301140	1624592	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,00	up
6147767	7301140	1624565	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,30	up
6261634	7301140	1624567	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,50	up
6381850	7301140	1624592	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,10	up

6481246	7301140	1624571	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	2,08	up
6564367	7301140	1624587	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,19	up
6588047	7301140	1624575	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,59	down
6625018	7301140	1624570	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,95	up
6638962	7301140	1624582	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,03	down
6680861	7301140	1624540	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	2,06	down
6715666	7301140	1624539	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	Slc24a4	314396	1,21	up
5620100	7102483	1133758	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,18	down
5647858	7102483	1133769	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,23	down
5662526	7102483	1133769	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	2,10	down
5714442	7102483	1133757	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,04	down
5752477	7102483	1133763	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,84	up
5835991	7102483	1133764	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,34	down
5894677	7102483	1133767	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,01	down
6018214	7102483	1133765	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,18	down
6053796	7102483	1133756	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,20	down
6107220	7102483	1133765	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,52	up
6111508	7102483	1133759	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,42	down
6253745	7102483	1133760	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,29	up
6479303	7102483	1133766	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,14	up
6512197	7102483	1133755	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,27	down
6532559	7102483	1133768	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,00	up
6596623	7102483	1133761	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,24	up
6712330	7102483	1133762	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,07	up
6732516	7102483	1133755	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,37	down
5658400	7377505	1815273	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,08	up
5975739	7377505	1815278	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,21	down
6038588	7377505	1815281	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,06	down
6060426	7377505	1815276	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,33	down
6083358	7377505	1815275	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	2,58	up
6156319	7377505	1815274	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,58	down
6348175	7377505	1815272	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,64	up
6480025	7377505	1815277	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,03	up
6499482	7377505	1815279	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,00	up
6556965	7377505	1815272	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,34	down
6645800	7377505	1815280	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,03	down
6656213	7377505	1815281	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,04	up
6656472	7377505	1815275	solute carrier family 25 (mitochondrial carrier, brain), member 14	Slc25a14	85263	1,05	up
5651224	7237652	1467258	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	2,30	down
5819898	7237652	1467254	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,07	down
5830534	7237652	1467255	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,03	up
6089518	7237652	1467250	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,04	down
6160454	7237652	1467249	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,16	up
6305500	7237652	1467257	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,22	up
6350039	7237652	1467248	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,13	down
6484468	7237652	1467256	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,04	down
6486041	7237652	1467251	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,10	up
6565929	7237652	1467253	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,37	up
6605565	7237652	1467258	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,67	up
6667764	7237652	1467252	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,27	down
5740753	7292644	1602787	solute carrier family 25, member 34	Slc25a34	298606	1,29	up
5821523	7292644	1602790	solute carrier family 25, member 34	Slc25a34	298606	1,17	up
5879257	7292644	1602791	solute carrier family 25, member 34	Slc25a34	298606	1,05	up
6139357	7292644	1602789	solute carrier family 25, member 34	Slc25a34	298606	1,06	up
6311131	7292644	1602788	solute carrier family 25, member 34	Slc25a34	298606	1,02	down
6386961	7292644	1602786	solute carrier family 25, member 34	Slc25a34	298606	2,06	down

6690328	7292644	1602791	solute carrier family 25, member 34	Slc25a34	298606	1,03	down
6739233	7292644	1602787	solute carrier family 25, member 34	Slc25a34	298606	2,46	down
5618112	7083021	1086213	solute carrier family 25, member 39	Slc25a39	360636	1,45	down
5700013	7083021	1086209	solute carrier family 25, member 39	Slc25a39	360636	1,32	down
5915664	7083021	1086215	solute carrier family 25, member 39	Slc25a39	360636	1,02	down
5947729	7083021	1086213	solute carrier family 25, member 39	Slc25a39	360636	1,00	up
5961285	7083021	1086210	solute carrier family 25, member 39	Slc25a39	360636	2,09	down
5973820	7083021	1086210	solute carrier family 25, member 39	Slc25a39	360636	1,24	down
6340119	7083021	1086218	solute carrier family 25, member 39	Slc25a39	360636	1,39	up
6343022	7083021	1086208	solute carrier family 25, member 39	Slc25a39	360636	1,25	down
6431751	7083021	1086212	solute carrier family 25, member 39	Slc25a39	360636	1,14	down
6517679	7083021	1086216	solute carrier family 25, member 39	Slc25a39	360636	1,98	down
6567952	7083021	1086211	solute carrier family 25, member 39	Slc25a39	360636	1,14	up
6579050	7083021	1086221	solute carrier family 25, member 39	Slc25a39	360636	1,03	up
6588475	7083021	1086214	solute carrier family 25, member 39	Slc25a39	360636	1,05	up
6650265	7083021	1086217	solute carrier family 25, member 39	Slc25a39	360636	1,08	down
5687658	7174114	1310434	solute carrier family 25, member 46	Slc25a46	291709	1,01	down
5782236	7174114	1310439	solute carrier family 25, member 46	Slc25a46	291709	1,26	down
5806453	7174114	1310437	solute carrier family 25, member 46	Slc25a46	291709	1,21	down
5817978	7174114	1310439	solute carrier family 25, member 46	Slc25a46	291709	1,04	up
6061181	7174114	1310439	solute carrier family 25, member 46	Slc25a46	291709	1,01	up
6175405	7174114	1310430	solute carrier family 25, member 46	Slc25a46	291709	1,37	down
6195961	7174114	1310429	solute carrier family 25, member 46	Slc25a46	291709	1,19	down
6368049	7174114	1310431	solute carrier family 25, member 46	Slc25a46	291709	2,49	up
6507313	7174114	1310438	solute carrier family 25, member 46	Slc25a46	291709	1,09	up
6611177	7174114	1310429	solute carrier family 25, member 46	Slc25a46	291709	1,52	down
6634085	7174114	1310436	solute carrier family 25, member 46	Slc25a46	291709	1,17	down
6035155	7176282	1315372	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	2,26	up
6300218	7176282	1315368	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,09	up
6458209	7176282	1315370	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,19	up
6529544	7176282	1315371	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,37	down
6620599	7176282	1315369	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,18	down
6648705	7176282	1315368	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,07	up
6680189	7176282	1315369	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,12	down
6742906	7176282	1315369	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,18	up
5646789	7221187	1425708	solute carrier family 26, member 8	Slc26a8	309646	1,84	down
5745336	7221187	1425702	solute carrier family 26, member 8	Slc26a8	309646	1,05	down
5746561	7221187	1425711	solute carrier family 26, member 8	Slc26a8	309646	1,07	up
6000799	7221187	1425718	solute carrier family 26, member 8	Slc26a8	309646	1,02	up
6004875	7221187	1425721	solute carrier family 26, member 8	Slc26a8	309646	1,09	up
6021319	7221187	1425702	solute carrier family 26, member 8	Slc26a8	309646	1,28	down
6037047	7221187	1425709	solute carrier family 26, member 8	Slc26a8	309646	1,16	down
6252327	7221187	1425710	solute carrier family 26, member 8	Slc26a8	309646	1,29	up
6273254	7221187	1425706	solute carrier family 26, member 8	Slc26a8	309646	1,26	up
6348202	7221187	1425717	solute carrier family 26, member 8	Slc26a8	309646	1,20	down
6379978	7221187	1425719	solute carrier family 26, member 8	Slc26a8	309646	1,12	down
6399397	7221187	1425715	solute carrier family 26, member 8	Slc26a8	309646	1,12	down
6424012	7221187	1425702	solute carrier family 26, member 8	Slc26a8	309646	1,19	down
6431900	7221187	1425702	solute carrier family 26, member 8	Slc26a8	309646	2,42	down
6465505	7221187	1425716	solute carrier family 26, member 8	Slc26a8	309646	1,12	up
6519344	7221187	1425712	solute carrier family 26, member 8	Slc26a8	309646	1,30	up
6534430	7221187	1425705	solute carrier family 26, member 8	Slc26a8	309646	1,16	up
6610391	7221187	1425704	solute carrier family 26, member 8	Slc26a8	309646	1,13	down
6678315	7221187	1425713	solute carrier family 26, member 8	Slc26a8	309646	2,14	down
6686417	7221187	1425714	solute carrier family 26, member 8	Slc26a8	309646	1,44	down
6696985	7221187	1425703	solute carrier family 26, member 8	Slc26a8	309646	1,60	up

6746951	7221187	1425707	solute carrier family 26, member 8	Slc26a8	309646	1,40	up
5642552	7104920	1140067	solute carrier family 26, member 9	Slc26a9	304784	1,23	up
5757934	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	2,01	up
5759924	7104920	1140042	solute carrier family 26, member 9	Slc26a9	304784	1,60	down
5760024	7104920	1140055	solute carrier family 26, member 9	Slc26a9	304784	1,26	down
5783601	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	1,88	up
5893299	7104920	1140058	solute carrier family 26, member 9	Slc26a9	304784	1,08	up
6031498	7104920	1140052	solute carrier family 26, member 9	Slc26a9	304784	1,00	down
6068256	7104920	1140064	solute carrier family 26, member 9	Slc26a9	304784	1,11	down
6077080	7104920	1140061	solute carrier family 26, member 9	Slc26a9	304784	1,13	up
6273113	7104920	1140068	solute carrier family 26, member 9	Slc26a9	304784	1,33	up
6301592	7104920	1140057	solute carrier family 26, member 9	Slc26a9	304784	1,22	down
6346936	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	1,16	down
6348390	7104920	1140069	solute carrier family 26, member 9	Slc26a9	304784	1,02	down
6375653	7104920	1140060	solute carrier family 26, member 9	Slc26a9	304784	1,31	down
6452214	7104920	1140059	solute carrier family 26, member 9	Slc26a9	304784	1,51	up
6475087	7104920	1140062	solute carrier family 26, member 9	Slc26a9	304784	1,10	up
6478703	7104920	1140056	solute carrier family 26, member 9	Slc26a9	304784	1,14	up
6485108	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	1,14	down
6515415	7104920	1140048	solute carrier family 26, member 9	Slc26a9	304784	1,11	up
6554785	7104920	1140065	solute carrier family 26, member 9	Slc26a9	304784	1,24	up
6569712	7104920	1140063	solute carrier family 26, member 9	Slc26a9	304784	1,38	up
6617741	7104920	1140054	solute carrier family 26, member 9	Slc26a9	304784	1,04	up
6623449	7104920	1140066	solute carrier family 26, member 9	Slc26a9	304784	1,11	down
6746493	7104920	1140053	solute carrier family 26, member 9	Slc26a9	304784	1,16	up
5893395	7232221	1453279	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,05	down
5912029	7232221	1453280	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,00	down
5937539	7232221	1453280	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,01	down
5960743	7232221	1453279	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	2,04	down
5981458	7232221	1453281	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,10	up
6063459	7232221	1453279	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,18	up
6122912	7232221	1453288	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,03	down
6187814	7232221	1453285	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,00	down
6334022	7232221	1453283	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,24	up
6397533	7232221	1453284	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,11	up
6445054	7232221	1453279	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,89	down
6500439	7232221	1453279	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,05	up
6665966	7232221	1453287	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,24	up
6693795	7232221	1453282	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,27	down
6728147	7232221	1453279	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,04	up
6730406	7232221	1453286	solute carrier family 27 (fatty acid transporter), member 2	Slc27a2	65192	1,01	down
5647751	7170832	1301806	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,14	down
5673962	7170832	1301802	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,04	up
5831649	7170832	1301809	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,01	up
5871088	7170832	1301800	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,38	down
5918498	7170832	1301798	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,45	up
5986483	7170832	1301804	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,02	down
5993283	7170832	1301807	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,12	down
6171252	7170832	1301810	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,03	up
6201420	7170832	1301800	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,48	up
6231529	7170832	1301803	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,19	down
6297239	7170832	1301808	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,10	up
6379618	7170832	1301798	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,17	up
6407578	7170832	1301798	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	2,41	down
6628948	7170832	1301805	solute carrier family 27 (fatty acid transporter), member 6	Slc27a6	291582	1,13	up
5708658	7125348	1190088	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,09	down

5722313	7125348	1190079	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,03	down
5796508	7125348	1190091	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,25	up
5840832	7125348	1190078	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,21	down
6017068	7125348	1190100	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,44	up
6044611	7125348	1190079	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,52	down
6172780	7125348	1190086	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,34	down
6216309	7125348	1190077	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,60	down
6276550	7125348	1190100	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	1,12	down
6295316	7125348	1190081	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,43	down
6296646	7125348	1190076	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,47	down
6297114	7125348	1190084	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,20	up
6304856	7125348	1190082	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,68	down
6309017	7125348	1190080	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,17	down
6399237	7125348	1190090	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,29	up
6489830	7125348	1190095	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,25	up
6541467	7125348	1190079	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,12	down
6574552	7125348	1190092	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,12	up
6577143	7125348	1190089	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,17	down
6577278	7125348	1190083	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,15	up
5657590	7275718	1561758	solute carrier family 31 (copper transporters), member 2	Slc31a2	298091	2,23	up
6199036	7275718	1561762	solute carrier family 31 (copper transporters), member 2	Slc31a2	298091	1,14	down
6374141	7275718	1561760	solute carrier family 31 (copper transporters), member 2	Slc31a2	298091	1,70	down
6502896	7275718	1561761	solute carrier family 31 (copper transporters), member 2	Slc31a2	298091	1,16	up
6665482	7275718	1561762	solute carrier family 31 (copper transporters), member 2	Slc31a2	298091	1,34	down
6744938	7275718	1561761	solute carrier family 31 (copper transporters), member 2	Slc31a2	298091	1,14	down
6095104	7169439	1298146	solute carrier family 35, member A4	Slc35a4	257647	1,18	down
6120960	7169439	1298147	solute carrier family 35, member A4	Slc35a4	257647	1,15	up
6190270	7169439	1298145	solute carrier family 35, member A4	Slc35a4	257647	2,32	up
6345756	7169439	1298146	solute carrier family 35, member A4	Slc35a4	257647	1,23	up
6365171	7169439	1298147	solute carrier family 35, member A4	Slc35a4	257647	1,15	down
6574545	7169439	1298148	solute carrier family 35, member A4	Slc35a4	257647	1,00	up
6683487	7169439	1298146	solute carrier family 35, member A4	Slc35a4	257647	1,32	up
6709750	7169439	1298146	solute carrier family 35, member A4	Slc35a4	257647	1,23	up
5634447	7077571	1074330	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,38	down
5662549	7077571	1074336	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,09	up
5783791	7077571	1074329	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,61	up
5809295	7077571	1074329	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,12	up
5887635	7077571	1074334	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,02	up
5892596	7077571	1074328	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,22	up
5997871	7077571	1074333	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,35	down
6041791	7077571	1074328	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,37	up
6060236	7077571	1074331	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,02	down
6089924	7077571	1074338	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,35	down
6188296	7077571	1074331	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,28	down
6199433	7077571	1074337	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	2,03	down
6231738	7077571	1074335	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,14	up
6232500	7077571	1074329	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,33	up
6532627	7077571	1074332	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,01	down
6573110	7077571	1074328	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,05	down
6632240	7077571	1074328	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,08	up
6679248	7077571	1074329	solute carrier family 36 (proton/amino acid symporter), member 2	Slc36a2	246235	1,55	up
5738516	7333152	1702962	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,29	down
5832188	7333152	1702972	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,01	up
5900972	7333152	1702969	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,05	down
5907327	7333152	1702967	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,33	down

5947110	7333152	1702964	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,11	down
5947230	7333152	1702962	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,46	down
5975479	7333152	1702966	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,77	down
5995760	7333152	1702971	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,02	down
6205670	7333152	1702954	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,21	up
6279855	7333152	1702960	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,80	up
6357783	7333152	1702963	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,02	up
6495936	7333152	1702961	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,06	down
6599744	7333152	1702970	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,15	down
6627481	7333152	1702966	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,14	down
6629676	7333152	1702970	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,23	up
6632181	7333152	1702968	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,29	up
6729575	7333152	1702973	solute carrier family 36 (proton/amino acid symporter), member 4	Slc36a4	315439	1,09	up
5711600	7335481	1708244	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,43	up
5740128	7335481	1708239	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	2,49	up
5829918	7335481	1708243	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,12	up
5831404	7335481	1708246	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,03	down
5858301	7335481	1708240	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,57	up
6205509	7335481	1708245	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,07	down
6421438	7335481	1708242	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,15	down
6473840	7335481	1708247	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,46	down
6608265	7335481	1708240	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,17	up
6626207	7335481	1708241	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,05	up
6721008	7335481	1708248	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,53	up
5664071	7349935	1744882	solute carrier family 38, member 3	Slc38a3	252919	1,56	up
5685296	7349935	1744880	solute carrier family 38, member 3	Slc38a3	252919	2,27	up
5719840	7349935	1744881	solute carrier family 38, member 3	Slc38a3	252919	1,46	up
5767370	7349935	1744867	solute carrier family 38, member 3	Slc38a3	252919	1,12	up
5791509	7349935	1744869	solute carrier family 38, member 3	Slc38a3	252919	1,09	down
5855558	7349935	1744871	solute carrier family 38, member 3	Slc38a3	252919	1,30	down
5885525	7349935	1744866	solute carrier family 38, member 3	Slc38a3	252919	1,21	up
5965221	7349935	1744877	solute carrier family 38, member 3	Slc38a3	252919	1,19	down
6074391	7349935	1744874	solute carrier family 38, member 3	Slc38a3	252919	1,27	down
6154612	7349935	1744865	solute carrier family 38, member 3	Slc38a3	252919	2,12	up
6201700	7349935	1744872	solute carrier family 38, member 3	Slc38a3	252919	1,20	up
6223733	7349935	1744875	solute carrier family 38, member 3	Slc38a3	252919	1,04	down
6262105	7349935	1744868	solute carrier family 38, member 3	Slc38a3	252919	1,07	up
6279209	7349935	1744876	solute carrier family 38, member 3	Slc38a3	252919	1,15	down
6472916	7349935	1744878	solute carrier family 38, member 3	Slc38a3	252919	1,11	up
6522923	7349935	1744875	solute carrier family 38, member 3	Slc38a3	252919	1,28	down
6586039	7349935	1744870	solute carrier family 38, member 3	Slc38a3	252919	1,36	down
6601227	7349935	1744879	solute carrier family 38, member 3	Slc38a3	252919	2,38	up
6679443	7349935	1744873	solute carrier family 38, member 3	Slc38a3	252919	1,24	up
5691662	7379840	1820445	solute carrier family 38, member 5	Slc38a5	192208	1,04	down
5712700	7379840	1820447	solute carrier family 38, member 5	Slc38a5	192208	1,35	up
5797129	7379840	1820442	solute carrier family 38, member 5	Slc38a5	192208	1,01	up
5809624	7379840	1820450	solute carrier family 38, member 5	Slc38a5	192208	1,37	up
5893373	7379840	1820441	solute carrier family 38, member 5	Slc38a5	192208	1,01	down
5894701	7379840	1820449	solute carrier family 38, member 5	Slc38a5	192208	1,32	down
5976239	7379840	1820440	solute carrier family 38, member 5	Slc38a5	192208	1,14	down
5987273	7379840	1820447	solute carrier family 38, member 5	Slc38a5	192208	1,18	down
5998426	7379840	1820446	solute carrier family 38, member 5	Slc38a5	192208	1,23	up
6121905	7379840	1820454	solute carrier family 38, member 5	Slc38a5	192208	2,79	up
6239074	7379840	1820439	solute carrier family 38, member 5	Slc38a5	192208	1,37	down
6241788	7379840	1820448	solute carrier family 38, member 5	Slc38a5	192208	1,42	up
6290394	7379840	1820443	solute carrier family 38, member 5	Slc38a5	192208	1,52	up

6446744	7379840	1820444	solute carrier family 38, member 5	Slc38a5	192208	1,39	down
6456827	7379840	1820451	solute carrier family 38, member 5	Slc38a5	192208	1,05	up
6642797	7379840	1820452	solute carrier family 38, member 5	Slc38a5	192208	1,37	down
6678957	7379840	1820453	solute carrier family 38, member 5	Slc38a5	192208	1,52	down
6741326	7379840	1820438	solute carrier family 38, member 5	Slc38a5	192208	1,07	down
5618385	7189669	1348991	solute carrier family 38, member 9	Slc38a9	310091	1,22	up
5618628	7189669	1348975	solute carrier family 38, member 9	Slc38a9	310091	1,13	down
5667073	7189669	1348982	solute carrier family 38, member 9	Slc38a9	310091	1,03	down
5872182	7189669	1348977	solute carrier family 38, member 9	Slc38a9	310091	1,39	up
5922942	7189669	1348979	solute carrier family 38, member 9	Slc38a9	310091	1,34	up
5926578	7189669	1348976	solute carrier family 38, member 9	Slc38a9	310091	1,03	down
5983594	7189669	1348985	solute carrier family 38, member 9	Slc38a9	310091	1,25	down
6048261	7189669	1348984	solute carrier family 38, member 9	Slc38a9	310091	1,42	up
6072665	7189669	1348992	solute carrier family 38, member 9	Slc38a9	310091	1,10	down
6189122	7189669	1348989	solute carrier family 38, member 9	Slc38a9	310091	2,20	up
6221941	7189669	1348977	solute carrier family 38, member 9	Slc38a9	310091	1,27	down
6225040	7189669	1348965	solute carrier family 38, member 9	Slc38a9	310091	2,12	down
6338582	7189669	1348978	solute carrier family 38, member 9	Slc38a9	310091	1,05	down
6396159	7189669	1348990	solute carrier family 38, member 9	Slc38a9	310091	1,19	up
6475271	7189669	1348982	solute carrier family 38, member 9	Slc38a9	310091	1,24	up
6645875	7189669	1348973	solute carrier family 38, member 9	Slc38a9	310091	1,29	up
5629374	7199563	1374766	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,34	up
5635716	7199563	1374765	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,12	down
5653272	7199563	1374766	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,83	down
5667425	7199563	1374758	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,15	up
5697647	7199563	1374762	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,07	up
5918308	7199563	1374759	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,07	up
6196231	7199563	1374764	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,03	up
6236180	7199563	1374758	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	2,09	down
6328080	7199563	1374763	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,11	down
6595882	7199563	1374760	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,30	down
6619265	7199563	1374759	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,63	up
6678139	7199563	1374761	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,13	down
6692165	7199563	1374758	solute carrier family 39 (metal ion transporter), member 8	Slc39a8	295455	1,09	down
5632423	7124093	1187184	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,09	down
5635222	7124093	1187167	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,64	up
5671579	7124093	1187166	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,06	up
5715805	7124093	1187170	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,06	up
5761583	7124093	1187180	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,11	down
5800961	7124093	1187178	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,01	down
5833187	7124093	1187163	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,07	up
5842956	7124093	1187177	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,16	up
5890552	7124093	1187165	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,11	down
5935702	7124093	1187161	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,38	down
5939040	7124093	1187160	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,15	down
5956635	7124093	1187185	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,17	up
5968068	7124093	1187182	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,13	up
5991673	7124093	1187162	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,47	down
5999326	7124093	1187169	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,16	up
6014167	7124093	1187176	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,44	down
6016152	7124093	1187179	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,03	up
6016245	7124093	1187168	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,13	down
6024994	7124093	1187183	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,13	down
6051527	7124093	1187161	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,35	up
6074269	7124093	1187172	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,02	up
6087999	7124093	1187173	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,12	down

6124602	7124093	1187171	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,25	down
6125433	7124093	1187174	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,01	up
6137788	7124093	1187182	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,78	down
6305046	7124093	1187164	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,19	up
6486808	7124093	1187181	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,26	up
6503917	7124093	1187163	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,15	up
6659236	7124093	1187176	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,08	down
6700294	7124093	1187163	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	2,01	down
6745068	7124093	1187175	solute carrier family 4 (anion exchanger), member 4	Slc4a4	84484	1,12	down
5618735	7320812	1674326	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,37	down
5656932	7320812	1674327	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,04	down
5676888	7320812	1674340	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,06	up
5726123	7320812	1674341	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,98	up
5759120	7320812	1674347	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,05	down
5787414	7320812	1674339	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,11	up
5821043	7320812	1674333	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,08	down
5882755	7320812	1674344	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,13	down
5892518	7320812	1674334	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,07	down
5959700	7320812	1674328	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,24	down
5977905	7320812	1674326	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,12	up
5980972	7320812	1674336	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	2,10	up
6030369	7320812	1674337	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,18	down
6119347	7320812	1674346	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,20	up
6198411	7320812	1674342	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,75	up
6315753	7320812	1674332	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,13	down
6435566	7320812	1674343	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,27	up
6456635	7320812	1674331	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,24	down
6464659	7320812	1674329	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,01	down
6521389	7320812	1674338	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,23	down
6522066	7320812	1674335	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,46	down
6576572	7320812	1674345	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,06	down
6627134	7320812	1674336	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,03	down
6659705	7320812	1674331	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,25	up
6711225	7320812	1674330	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,35	down
5690521	7220663	1424570	solute carrier family 44, member 4	Slc44a4	294255	1,64	down
5693497	7220663	1424590	solute carrier family 44, member 4	Slc44a4	294255	1,06	down
5713032	7220663	1424581	solute carrier family 44, member 4	Slc44a4	294255	1,50	up
5789495	7220663	1424579	solute carrier family 44, member 4	Slc44a4	294255	1,45	up
5823653	7220663	1424580	solute carrier family 44, member 4	Slc44a4	294255	1,98	up
5905192	7220663	1424585	solute carrier family 44, member 4	Slc44a4	294255	1,46	down
5941704	7220663	1424576	solute carrier family 44, member 4	Slc44a4	294255	1,37	down
6007895	7220663	1424591	solute carrier family 44, member 4	Slc44a4	294255	2,29	down
6163452	7220663	1424583	solute carrier family 44, member 4	Slc44a4	294255	1,11	up
6222094	7220663	1424584	solute carrier family 44, member 4	Slc44a4	294255	1,22	up
6233802	7220663	1424578	solute carrier family 44, member 4	Slc44a4	294255	1,17	down
6267026	7220663	1424577	solute carrier family 44, member 4	Slc44a4	294255	1,07	up
6273167	7220663	1424587	solute carrier family 44, member 4	Slc44a4	294255	1,24	up
6293290	7220663	1424571	solute carrier family 44, member 4	Slc44a4	294255	1,56	down
6378927	7220663	1424578	solute carrier family 44, member 4	Slc44a4	294255	1,06	up
6397930	7220663	1424586	solute carrier family 44, member 4	Slc44a4	294255	1,23	up
6415721	7220663	1424574	solute carrier family 44, member 4	Slc44a4	294255	1,54	down
6436319	7220663	1424572	solute carrier family 44, member 4	Slc44a4	294255	1,46	down
6469112	7220663	1424575	solute carrier family 44, member 4	Slc44a4	294255	1,27	down
6472999	7220663	1424579	solute carrier family 44, member 4	Slc44a4	294255	1,18	up
6533635	7220663	1424582	solute carrier family 44, member 4	Slc44a4	294255	1,21	up
6556236	7220663	1424580	solute carrier family 44, member 4	Slc44a4	294255	1,45	up

6580035	7220663	1424589	solute carrier family 44, member 4	Slc44a4	294255	1,10	down
6672991	7220663	1424588	solute carrier family 44, member 4	Slc44a4	294255	1,32	up
6746476	7220663	1424573	solute carrier family 44, member 4	Slc44a4	294255	1,60	down
5676633	7351229	1747926	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,07	down
5681009	7351229	1747919	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,01	up
5719439	7351229	1747923	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,43	down
5786989	7351229	1747926	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,10	up
5854793	7351229	1747929	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,07	up
5890441	7351229	1747929	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,11	up
5999585	7351229	1747920	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,01	up
6029537	7351229	1747929	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,48	up
6049755	7351229	1747922	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,00	up
6061736	7351229	1747921	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,08	down
6105398	7351229	1747925	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,33	down
6142072	7351229	1747928	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,21	up
6249693	7351229	1747919	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,05	down
6480340	7351229	1747924	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	1,00	up
6587233	7351229	1747927	solute carrier family 6 (neurotransmitter transporter), member 20	Slc6a20	113918	2,60	down
5686380	7278898	1570297	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,30	down
5741278	7278898	1570300	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,19	down
5836225	7278898	1570305	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,21	up
5858399	7278898	1570303	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,09	down
5990376	7278898	1570302	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,05	down
6008589	7278898	1570306	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,30	up
6080169	7278898	1570299	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,08	down
6131288	7278898	1570307	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,03	down
6160379	7278898	1570295	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,67	down
6164813	7278898	1570295	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,98	down
6190122	7278898	1570308	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,25	down
6256574	7278898	1570301	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,12	up
6441315	7278898	1570300	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,09	up
6480123	7278898	1570295	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,52	down
6556364	7278898	1570304	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,07	up
6602276	7278898	1570298	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,09	up
5671067	7176247	1315292	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,01	up
5877275	7176247	1315291	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,01	down
5947380	7176247	1315288	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,03	up
5951928	7176247	1315285	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,19	up
6063898	7176247	1315282	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,04	up
6097291	7176247	1315281	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,03	up
6112606	7176247	1315287	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,42	up
6223467	7176247	1315294	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,20	up
6238264	7176247	1315290	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,10	up
6254310	7176247	1315280	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,04	up
6275388	7176247	1315293	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,54	up
6530708	7176247	1315286	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,11	down
6617185	7176247	1315284	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,28	down
6671740	7176247	1315289	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	2,14	down
6694990	7176247	1315283	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	Slc6a7	117100	1,17	down
5835736	7026418	952185	solute carrier family 6, member 18	Slc6a18	29323	1,11	up
5875524	7026418	952181	solute carrier family 6, member 18	Slc6a18	29323	1,05	up
5930262	7026418	952183	solute carrier family 6, member 18	Slc6a18	29323	1,09	down
5948607	7026418	952182	solute carrier family 6, member 18	Slc6a18	29323	1,50	down
5950939	7026418	952186	solute carrier family 6, member 18	Slc6a18	29323	1,03	down
5978913	7026418	952188	solute carrier family 6, member 18	Slc6a18	29323	1,11	down
5987397	7026418	952189	solute carrier family 6, member 18	Slc6a18	29323	2,01	down

6097957	7026418	952187	solute carrier family 6, member 18	Slc6a18	29323	1,25	down
6181425	7026418	952180	solute carrier family 6, member 18	Slc6a18	29323	1,88	up
6231690	7026418	952181	solute carrier family 6, member 18	Slc6a18	29323	1,23	down
6294906	7026418	952179	solute carrier family 6, member 18	Slc6a18	29323	1,12	down
6328320	7026418	952190	solute carrier family 6, member 18	Slc6a18	29323	1,96	down
6465166	7026418	952187	solute carrier family 6, member 18	Slc6a18	29323	1,25	up
6539817	7026418	952188	solute carrier family 6, member 18	Slc6a18	29323	1,02	up
6581404	7026418	952190	solute carrier family 6, member 18	Slc6a18	29323	1,58	up
6712618	7026418	952184	solute carrier family 6, member 18	Slc6a18	29323	1,17	down
6724759	7026418	952189	solute carrier family 6, member 18	Slc6a18	29323	1,00	up
5697029	7208330	1395093	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,39	up
5719773	7208330	1395079	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,58	down
6097861	7208330	1395080	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,00	down
6122682	7208330	1395097	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,08	down
6211296	7208330	1395096	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,27	up
6237437	7208330	1395091	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,00	down
6264640	7208330	1395098	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,12	down
6277772	7208330	1395092	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,71	down
6316148	7208330	1395084	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,76	up
6367515	7208330	1395086	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,06	down
6425724	7208330	1395087	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,28	up
6440121	7208330	1395085	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,39	up
6570010	7208330	1395080	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,43	down
6587247	7208330	1395083	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,11	down
5766891	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,24	down
5933264	7180687	1326629	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,14	down
5948500	7180687	1326631	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,07	up
5988609	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,15	up
6081632	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,06	down
6246546	7180687	1326634	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,23	up
6376957	7180687	1326634	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,17	down
6379762	7180687	1326627	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,20	down
6420611	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,36	down
6569249	7180687	1326627	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,20	up
6713236	7180687	1326627	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,23	down
6732697	7180687	1326633	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,09	down
6737289	7180687	1326632	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,10	up
5642103	7302914	1629272	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,06	down
5804941	7302914	1629277	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,07	up
5910982	7302914	1629271	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,10	down
6012492	7302914	1629270	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	1,01	down
6135198	7302914	1629274	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	1,03	up
6287859	7302914	1629277	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,16	up
6469379	7302914	1629277	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,02	down
6559810	7302914	1629276	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	2,34	up
6614174	7302914	1629270	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,00	up
6709012	7302914	1629278	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,87	up
5620742	7180592	1326304	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,15	down
5641389	7180592	1326293	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,05	up
5790030	7180592	1326300	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,04	up
5803646	7180592	1326303	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,30	down
5867079	7180592	1326305	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,26	up
5896085	7180592	1326295	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,28	up
5903747	7180592	1326297	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,50	up

5944507	7180592	1326307	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,17	down
5949870	7180592	1326292	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,74	up
5996380	7180592	1326291	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,05	up
6033164	7180592	1326306	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	2,08	down
6078255	7180592	1326306	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,09	up
6222182	7180592	1326302	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,01	down
6229741	7180592	1326299	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,01	down
6301993	7180592	1326296	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,11	down
6343125	7180592	1326294	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,21	up
6402960	7180592	1326298	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,04	down
6409457	7180592	1326305	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,04	up
6462059	7180592	1326301	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,26	down
6548867	7180592	1326291	solute carrier family 9 (sodium/hydrogen exchanger), member 5	Slc9a5	192215	1,48	down
5675788	7235521	1462156	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,03	down
5704127	7235521	1462163	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,63	down
5765292	7235521	1462163	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,45	down
5882984	7235521	1462145	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,34	down
5896809	7235521	1462161	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,15	down
5905614	7235521	1462155	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,44	up
6012768	7235521	1462150	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,09	up
6027699	7235521	1462163	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,09	up
6051711	7235521	1462153	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,00	up
6138212	7235521	1462141	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,19	up
6155028	7235521	1462160	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,02	up
6158277	7235521	1462155	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,20	down
6222518	7235521	1462162	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,19	down
6236514	7235521	1462148	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,04	up
6325896	7235521	1462157	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,04	down
6326572	7235521	1462159	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,19	down
6374383	7235521	1462147	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,17	up
6569614	7235521	1462146	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Slc9a8	311651	1,17	down
5662534	7270891	1549443	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,01	down
5742777	7270891	1549437	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,02	up
6115572	7270891	1549440	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,02	up
6348082	7270891	1549444	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,05	up
6370194	7270891	1549444	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,03	down
6443618	7270891	1549441	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,59	down
6451008	7270891	1549438	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,01	down
6650644	7270891	1549436	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,02	down
6660493	7270891	1549442	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,28	up
6673623	7270891	1549439	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,76	down
5632159	7270891	1549458	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,05	up
5641361	7270891	1549452	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	1,09	down
5927451	7270891	1549453	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,20	up
5943130	7270891	1549447	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,70	up
6010555	7270891	1549457	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,04	up
6012194	7270891	1549445	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,04	down
6024980	7270891	1549458	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,05	down
6078068	7270891	1549454	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,30	up
6096451	7270891	1549459	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,31	up
6130409	7270891	1549459	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,13	down
6174606	7270891	1549446	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,33	up
6340572	7270891	1549448	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,11	up
6408678	7270891	1549449	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,31	up
6413408	7270891	1549456	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	2,04	up

6479781	7270891	1549446	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,01	down
6562829	7270891	1549450	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,87	up
6576079	7270891	1549445	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,54	up
6648649	7270891	1549451	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,00	down
6699871	7270891	1549445	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 organ	Slco1a5 /// Slco1a1	80900 /// 50572	1,20	up
5655807	7339851	1719637	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,06	down
5697782	7339851	1719646	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,20	down
5714559	7339851	1719639	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,16	down
5771343	7339851	1719646	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,18	up
5789774	7339851	1719649	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,01	up
5818034	7339851	1719645	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,09	down
5822584	7339851	1719642	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,22	up
5841445	7339851	1719638	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,31	down
5856676	7339851	1719646	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,33	up
5952681	7339851	1719638	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,13	down
5971213	7339851	1719647	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,42	down
6074766	7339851	1719641	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,19	up
6114685	7339851	1719639	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	2,33	up
6138443	7339851	1719644	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	2,84	down
6210472	7339851	1719637	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,25	down
6338794	7339851	1719640	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,04	down
6370338	7339851	1719639	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,15	down
6385207	7339851	1719648	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,30	up
6478153	7339851	1719645	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	2,11	up
6521957	7339851	1719643	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,15	down
5687512	7073458	1064466	somatostatin receptor 2	Sstr2	54305	1,18	up
5970158	7073458	1064467	somatostatin receptor 2	Sstr2	54305	1,55	down
6009049	7073458	1064466	somatostatin receptor 2	Sstr2	54305	1,42	down
6381683	7073458	1064467	somatostatin receptor 2	Sstr2	54305	1,06	down
6394315	7073458	1064467	somatostatin receptor 2	Sstr2	54305	1,75	up
6624644	7073458	1064465	somatostatin receptor 2	Sstr2	54305	1,64	up
6631211	7073458	1064466	somatostatin receptor 2	Sstr2	54305	2,45	up
5629803	7062436	1037700	sorbin and SH3 domain containing 1	Sorbs1	686098	1,28	down
5634952	7062436	1037686	sorbin and SH3 domain containing 1	Sorbs1	686098	1,10	down
5661366	7062436	1037690	sorbin and SH3 domain containing 1	Sorbs1	686098	1,05	up
5686573	7062436	1037704	sorbin and SH3 domain containing 1	Sorbs1	686098	1,92	down
5697263	7062436	1037649	sorbin and SH3 domain containing 1	Sorbs1	686098	1,23	up
5768901	7062436	1037693	sorbin and SH3 domain containing 1	Sorbs1	686098	1,33	down
5775668	7062436	1037657	sorbin and SH3 domain containing 1	Sorbs1	686098	1,07	up
5812012	7062436	1037677	sorbin and SH3 domain containing 1	Sorbs1	686098	1,86	down
5848668	7062436	1037679	sorbin and SH3 domain containing 1	Sorbs1	686098	1,21	up
5911026	7062436	1037685	sorbin and SH3 domain containing 1	Sorbs1	686098	1,09	up
5914411	7062436	1037652	sorbin and SH3 domain containing 1	Sorbs1	686098	1,00	up
5927228	7062436	1037657	sorbin and SH3 domain containing 1	Sorbs1	686098	1,36	down
5930608	7062436	1037657	sorbin and SH3 domain containing 1	Sorbs1	686098	1,13	up
5934751	7062436	1037681	sorbin and SH3 domain containing 1	Sorbs1	686098	1,62	up
5965376	7062436	1037676	sorbin and SH3 domain containing 1	Sorbs1	686098	1,76	down
5976361	7062436	1037672	sorbin and SH3 domain containing 1	Sorbs1	686098	1,08	down
5996367	7062436	1037667	sorbin and SH3 domain containing 1	Sorbs1	686098	1,41	up
5998173	7062436	1037687	sorbin and SH3 domain containing 1	Sorbs1	686098	1,53	down
6057852	7062436	1037659	sorbin and SH3 domain containing 1	Sorbs1	686098	1,12	up
6091761	7062436	1037663	sorbin and SH3 domain containing 1	Sorbs1	686098	1,09	up
6110924	7062436	1037661	sorbin and SH3 domain containing 1	Sorbs1	686098	1,72	down
6119615	7062436	1037693	sorbin and SH3 domain containing 1	Sorbs1	686098	1,83	down
6157770	7062436	1037660	sorbin and SH3 domain containing 1	Sorbs1	686098	1,48	up

6272391	7062436	1037661	sorbin and SH3 domain containing 1	Sorbs1	686098	2,27	down
6279791	7062436	1037680	sorbin and SH3 domain containing 1	Sorbs1	686098	1,37	up
6410493	7062436	1037692	sorbin and SH3 domain containing 1	Sorbs1	686098	2,26	up
6416695	7062436	1037675	sorbin and SH3 domain containing 1	Sorbs1	686098	1,07	up
6452579	7062436	1037687	sorbin and SH3 domain containing 1	Sorbs1	686098	1,32	up
6489872	7062436	1037701	sorbin and SH3 domain containing 1	Sorbs1	686098	1,49	down
6501144	7062436	1037662	sorbin and SH3 domain containing 1	Sorbs1	686098	1,02	down
6600288	7062436	1037665	sorbin and SH3 domain containing 1	Sorbs1	686098	2,40	up
6626290	7062436	1037660	sorbin and SH3 domain containing 1	Sorbs1	686098	1,37	down
6638621	7062436	1037702	sorbin and SH3 domain containing 1	Sorbs1	686098	1,37	up
6655638	7062436	1037680	sorbin and SH3 domain containing 1	Sorbs1	686098	1,44	down
6684644	7062436	1037684	sorbin and SH3 domain containing 1	Sorbs1	686098	1,06	down
6686505	7062436	1037649	sorbin and SH3 domain containing 1	Sorbs1	686098	1,32	up
6739220	7062436	1037650	sorbin and SH3 domain containing 1	Sorbs1	686098	1,89	up
5631580	7139731	1225110	sorbin and SH3 domain containing 3	Sorbs3	282843	1,13	up
5655931	7139731	1225122	sorbin and SH3 domain containing 3	Sorbs3	282843	1,17	up
5715098	7139731	1225111	sorbin and SH3 domain containing 3	Sorbs3	282843	2,00	down
5730458	7139731	1225128	sorbin and SH3 domain containing 3	Sorbs3	282843	1,32	down
5807249	7139731	1225125	sorbin and SH3 domain containing 3	Sorbs3	282843	1,04	down
5833743	7139731	1225119	sorbin and SH3 domain containing 3	Sorbs3	282843	1,19	up
5835324	7139731	1225112	sorbin and SH3 domain containing 3	Sorbs3	282843	1,38	up
5862068	7139731	1225127	sorbin and SH3 domain containing 3	Sorbs3	282843	1,41	up
5901764	7139731	1225126	sorbin and SH3 domain containing 3	Sorbs3	282843	1,33	down
5963965	7139731	1225121	sorbin and SH3 domain containing 3	Sorbs3	282843	1,05	up
6034556	7139731	1225127	sorbin and SH3 domain containing 3	Sorbs3	282843	1,08	down
6035039	7139731	1225129	sorbin and SH3 domain containing 3	Sorbs3	282843	1,10	down
6041706	7139731	1225124	sorbin and SH3 domain containing 3	Sorbs3	282843	1,28	down
6117770	7139731	1225109	sorbin and SH3 domain containing 3	Sorbs3	282843	1,23	down
6157263	7139731	1225115	sorbin and SH3 domain containing 3	Sorbs3	282843	1,59	up
6206206	7139731	1225123	sorbin and SH3 domain containing 3	Sorbs3	282843	1,19	up
6224472	7139731	1225113	sorbin and SH3 domain containing 3	Sorbs3	282843	1,84	up
6273202	7139731	1225112	sorbin and SH3 domain containing 3	Sorbs3	282843	1,05	down
6317811	7139731	1225116	sorbin and SH3 domain containing 3	Sorbs3	282843	1,59	up
6335434	7139731	1225120	sorbin and SH3 domain containing 3	Sorbs3	282843	1,09	up
6362703	7139731	1225117	sorbin and SH3 domain containing 3	Sorbs3	282843	2,15	down
6407843	7139731	1225118	sorbin and SH3 domain containing 3	Sorbs3	282843	1,30	down
6508188	7139731	1225129	sorbin and SH3 domain containing 3	Sorbs3	282843	1,14	down
6536193	7139731	1225123	sorbin and SH3 domain containing 3	Sorbs3	282843	1,04	up
6536474	7139731	1225112	sorbin and SH3 domain containing 3	Sorbs3	282843	1,01	down
6693929	7139731	1225114	sorbin and SH3 domain containing 3	Sorbs3	282843	1,13	up
5663521	7198002	1370434	sortilin 1	Sort1	83576	1,18	down
5676744	7198002	1370445	sortilin 1	Sort1	83576	1,34	down
5690288	7198002	1370414	sortilin 1	Sort1	83576	1,97	up
5843373	7198002	1370443	sortilin 1	Sort1	83576	1,65	up
5927195	7198002	1370427	sortilin 1	Sort1	83576	1,18	down
5940265	7198002	1370431	sortilin 1	Sort1	83576	1,81	up
5992838	7198002	1370429	sortilin 1	Sort1	83576	1,14	down
6050720	7198002	1370415	sortilin 1	Sort1	83576	1,77	up
6082579	7198002	1370440	sortilin 1	Sort1	83576	1,33	down
6111959	7198002	1370413	sortilin 1	Sort1	83576	1,67	up
6132475	7198002	1370426	sortilin 1	Sort1	83576	1,23	down
6152909	7198002	1370431	sortilin 1	Sort1	83576	1,16	up
6211586	7198002	1370432	sortilin 1	Sort1	83576	1,16	down
6229853	7198002	1370442	sortilin 1	Sort1	83576	1,24	up
6232530	7198002	1370433	sortilin 1	Sort1	83576	1,65	down
6386073	7198002	1370439	sortilin 1	Sort1	83576	1,40	down

6473551	7198002	1370437	sortilin 1	Sort1	83576	1,15	down
6529350	7198002	1370430	sortilin 1	Sort1	83576	1,05	down
6529738	7198002	1370445	sortilin 1	Sort1	83576	1,08	down
6553230	7198002	1370428	sortilin 1	Sort1	83576	1,04	down
6602529	7198002	1370425	sortilin 1	Sort1	83576	1,18	down
6614776	7198002	1370438	sortilin 1	Sort1	83576	1,43	down
6669894	7198002	1370423	sortilin 1	Sort1	83576	1,07	up
6733557	7198002	1370436	sortilin 1	Sort1	83576	1,24	down
5650758	7344530	1731556	sortilin-related receptor, LDLR class A repeats-containing	Sor1l	300652	1,05	up
5967472	7344530	1731557	sortilin-related receptor, LDLR class A repeats-containing	Sor1l	300652	1,00	down
6007793	7344530	1731556	sortilin-related receptor, LDLR class A repeats-containing	Sor1l	300652	1,17	down
6696153	7344530	1731556	sortilin-related receptor, LDLR class A repeats-containing	Sor1l	300652	1,17	down
5620409	7120039	1177515	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,30	up
5636711	7120039	1177534	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,10	up
5689736	7120039	1177542	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,05	up
5754536	7120039	1177543	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,41	up
5800001	7120039	1177531	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,70	down
5808908	7120039	1177533	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,11	up
5894720	7120039	1177541	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,13	down
5963808	7120039	1177543	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,69	down
5965226	7120039	1177538	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,12	up
5971354	7120039	1177519	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,43	up
5979590	7120039	1177552	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,32	up
5984600	7120039	1177522	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	3,01	down
6010556	7120039	1177551	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,35	up
6022402	7120039	1177453	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,04	up
6065241	7120039	1177453	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,16	up
6074864	7120039	1177528	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,71	down
6196867	7120039	1177540	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,07	down
6208600	7120039	1177552	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,35	down
6403228	7120039	1177524	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,43	down
6433128	7120039	1177521	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,27	down
6449396	7120039	1177544	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,00	up
6526410	7120039	1177488	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,28	down
6575910	7120039	1177527	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,01	up
6594562	7120039	1177530	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,21	down
6649447	7120039	1177529	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	2,98	down
6651912	7120039	1177547	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,19	down
6664977	7120039	1177545	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,12	down
6668685	7120039	1177469	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,12	up
6715499	7120039	1177520	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,50	up
6721801	7120039	1177549	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,37	down
6744369	7120039	1177535	sortilin-related VPS10 domain containing receptor 2	Sorcs2	305438	1,06	up
5655765	7253707	1506795	sorting nexin 10	Snx10	297096	1,50	down
5802907	7253707	1506798	sorting nexin 10	Snx10	297096	1,10	up
5818024	7253707	1506794	sorting nexin 10	Snx10	297096	1,26	down
5926109	7253707	1506796	sorting nexin 10	Snx10	297096	1,75	up
6017508	7253707	1506795	sorting nexin 10	Snx10	297096	1,35	down
6058334	7253707	1506797	sorting nexin 10	Snx10	297096	1,22	down
6322435	7253707	1506799	sorting nexin 10	Snx10	297096	1,54	up
6682983	7253707	1506799	sorting nexin 10	Snx10	297096	2,01	up
5621039	7049689	1008894	sorting nexin 26	Snx26	361540	1,40	down
5639611	7049689	1008876	sorting nexin 26	Snx26	361540	1,04	down
5688616	7049689	1008878	sorting nexin 26	Snx26	361540	1,52	up
5736976	7049689	1008887	sorting nexin 26	Snx26	361540	1,16	down
5738768	7049689	1008891	sorting nexin 26	Snx26	361540	1,22	down

5743637	7049689	1008895	sorting nexin 26	Snx26	361540	1,85	up
5756076	7049689	1008876	sorting nexin 26	Snx26	361540	2,00	down
5773751	7049689	1008896	sorting nexin 26	Snx26	361540	1,19	up
5779168	7049689	1008876	sorting nexin 26	Snx26	361540	2,11	up
5883829	7049689	1008875	sorting nexin 26	Snx26	361540	1,42	up
5909641	7049689	1008873	sorting nexin 26	Snx26	361540	1,26	up
6016019	7049689	1008876	sorting nexin 26	Snx26	361540	1,15	down
6079561	7049689	1008882	sorting nexin 26	Snx26	361540	1,06	down
6082024	7049689	1008876	sorting nexin 26	Snx26	361540	1,09	down
6179637	7049689	1008886	sorting nexin 26	Snx26	361540	1,68	down
6207341	7049689	1008885	sorting nexin 26	Snx26	361540	1,54	down
6293092	7049689	1008873	sorting nexin 26	Snx26	361540	1,17	up
6337423	7049689	1008875	sorting nexin 26	Snx26	361540	1,09	up
6442617	7049689	1008889	sorting nexin 26	Snx26	361540	1,04	down
6453396	7049689	1008893	sorting nexin 26	Snx26	361540	1,49	down
6481571	7049689	1008890	sorting nexin 26	Snx26	361540	1,00	down
6496690	7049689	1008877	sorting nexin 26	Snx26	361540	1,42	down
6497160	7049689	1008888	sorting nexin 26	Snx26	361540	1,52	up
6541968	7049689	1008879	sorting nexin 26	Snx26	361540	1,25	down
6652917	7049689	1008884	sorting nexin 26	Snx26	361540	1,61	up
6717805	7049689	1008897	sorting nexin 26	Snx26	361540	3,12	up
5679401	7213341	1406260	sorting nexin 7	Snx7	310815	1,15	up
5743681	7213341	1406261	sorting nexin 7	Snx7	310815	1,04	up
5926111	7213341	1406263	sorting nexin 7	Snx7	310815	1,15	up
6006907	7213341	1406262	sorting nexin 7	Snx7	310815	1,07	down
6062272	7213341	1406258	sorting nexin 7	Snx7	310815	1,17	down
6306475	7213341	1406257	sorting nexin 7	Snx7	310815	1,40	down
6535998	7213341	1406259	sorting nexin 7	Snx7	310815	2,36	up
6602986	7213341	1406265	sorting nexin 7	Snx7	310815	2,46	down
6636024	7213341	1406264	sorting nexin 7	Snx7	310815	1,23	up
6732551	7213341	1406256	sorting nexin 7	Snx7	310815	1,28	down
5629642	7096873	1119377	sorting nexin 8	Snx8	288504	1,50	down
5637422	7096873	1119369	sorting nexin 8	Snx8	288504	1,13	up
5670593	7096873	1119377	sorting nexin 8	Snx8	288504	1,09	down
5738120	7096873	1119383	sorting nexin 8	Snx8	288504	1,08	up
5772561	7096873	1119381	sorting nexin 8	Snx8	288504	1,53	up
5798847	7096873	1119386	sorting nexin 8	Snx8	288504	2,41	down
5965076	7096873	1119386	sorting nexin 8	Snx8	288504	1,14	up
6253315	7096873	1119369	sorting nexin 8	Snx8	288504	1,46	down
6339267	7096873	1119375	sorting nexin 8	Snx8	288504	1,54	up
6366781	7096873	1119372	sorting nexin 8	Snx8	288504	1,01	down
6383650	7096873	1119374	sorting nexin 8	Snx8	288504	1,03	up
6400094	7096873	1119376	sorting nexin 8	Snx8	288504	1,89	up
6419652	7096873	1119386	sorting nexin 8	Snx8	288504	1,07	up
6423461	7096873	1119386	sorting nexin 8	Snx8	288504	1,13	up
6448689	7096873	1119385	sorting nexin 8	Snx8	288504	1,07	down
6477407	7096873	1119373	sorting nexin 8	Snx8	288504	2,17	up
5696104	7356958	1762104	SP100 nuclear antigen	Sp100	363269	1,56	up
5828363	7356958	1762105	SP100 nuclear antigen	Sp100	363269	1,29	down
6043325	7356958	1762109	SP100 nuclear antigen	Sp100	363269	1,57	up
6134101	7356958	1762108	SP100 nuclear antigen	Sp100	363269	1,87	up
6148468	7356958	1762103	SP100 nuclear antigen	Sp100	363269	1,44	up
6148759	7356958	1762110	SP100 nuclear antigen	Sp100	363269	1,74	down
6305857	7356958	1762112	SP100 nuclear antigen	Sp100	363269	1,14	down
6380211	7356958	1762106	SP100 nuclear antigen	Sp100	363269	1,14	down
6437410	7356958	1762111	SP100 nuclear antigen	Sp100	363269	1,07	up

6464672	7356958	1762107	SP100 nuclear antigen	Sp100	363269	1,19	down
6541692	7356958	1762112	SP100 nuclear antigen	Sp100	363269	2,45	down
5802690	7027728	956031	SPARC related modular calcium binding 2	Smoc2	292401	1,29	down
5917211	7027728	956035	SPARC related modular calcium binding 2	Smoc2	292401	1,54	down
5937023	7027728	956053	SPARC related modular calcium binding 2	Smoc2	292401	1,01	up
5939421	7027728	956055	SPARC related modular calcium binding 2	Smoc2	292401	1,05	up
5952399	7027728	956041	SPARC related modular calcium binding 2	Smoc2	292401	1,59	down
6010953	7027728	956040	SPARC related modular calcium binding 2	Smoc2	292401	1,21	up
6035428	7027728	956046	SPARC related modular calcium binding 2	Smoc2	292401	1,18	down
6059870	7027728	956025	SPARC related modular calcium binding 2	Smoc2	292401	1,02	down
6122134	7027728	956047	SPARC related modular calcium binding 2	Smoc2	292401	1,06	up
6126048	7027728	956055	SPARC related modular calcium binding 2	Smoc2	292401	1,33	down
6166817	7027728	956054	SPARC related modular calcium binding 2	Smoc2	292401	1,11	up
6237595	7027728	956050	SPARC related modular calcium binding 2	Smoc2	292401	1,05	up
6298855	7027728	956039	SPARC related modular calcium binding 2	Smoc2	292401	1,15	up
6341675	7027728	956055	SPARC related modular calcium binding 2	Smoc2	292401	1,25	up
6518587	7027728	956055	SPARC related modular calcium binding 2	Smoc2	292401	1,01	down
6518908	7027728	956055	SPARC related modular calcium binding 2	Smoc2	292401	2,18	up
6564925	7027728	956036	SPARC related modular calcium binding 2	Smoc2	292401	1,44	up
6626688	7027728	956025	SPARC related modular calcium binding 2	Smoc2	292401	1,43	up
6675500	7027728	956055	SPARC related modular calcium binding 2	Smoc2	292401	1,08	down
5641647	7155286	1263905	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,09	down
5670549	7155286	1263903	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,05	down
6047695	7155286	1263907	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,00	up
6401239	7155286	1263840	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,87	up
6545756	7155286	1263906	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,05	down
6639717	7155286	1263908	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,11	down
5775726	7150497	1251781	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,02	up
5864844	7150497	1251794	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,33	up
5966151	7150497	1251803	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,13	down
6008634	7150497	1251778	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,06	down
6074912	7150497	1251783	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,07	up
6236293	7150497	1251783	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,00	up
6278771	7150497	1251780	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,03	up
6349317	7150497	1251802	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,36	down
6413775	7150497	1251784	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,06	down
6515460	7150497	1251809	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	2,19	down
6545408	7150497	1251808	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,40	down
6580096	7150497	1251796	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,06	up
6627386	7150497	1251808	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Spock3	306404	1,31	up
5893043	7194172	1361155	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,56	down
6015769	7194172	1361158	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,39	down
6072918	7194172	1361169	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	2,26	down
6234306	7194172	1361161	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,91	down
6288053	7194172	1361162	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,53	down
6416923	7194172	1361162	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,96	down
6525107	7194172	1361154	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,63	down
6569294	7194172	1361169	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,94	down
6581548	7194172	1361160	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	2,12	down
5738425	7337329	1712941	spastic paraplegia 21 homolog (human)	Spg21	300791	1,13	up
6023599	7337329	1712937	spastic paraplegia 21 homolog (human)	Spg21	300791	1,77	up
6075950	7337329	1712934	spastic paraplegia 21 homolog (human)	Spg21	300791	2,15	down
6196596	7337329	1712939	spastic paraplegia 21 homolog (human)	Spg21	300791	1,28	down
6558010	7337329	1712935	spastic paraplegia 21 homolog (human)	Spg21	300791	1,10	up
6575828	7337329	1712936	spastic paraplegia 21 homolog (human)	Spg21	300791	1,29	up
6632788	7337329	1712938	spastic paraplegia 21 homolog (human)	Spg21	300791	1,00	down

6738785	7337329	1712940	spastic paraplegia 21 homolog (human)	Spg21	300791	1,21	down
5663090	7303635	1631442	spastin	Spast	362700	1,90	down
5704840	7303635	1631453	spastin	Spast	362700	1,11	down
5834155	7303635	1631454	spastin	Spast	362700	1,04	down
5931981	7303635	1631445	spastin	Spast	362700	1,02	up
5992976	7303635	1631441	spastin	Spast	362700	2,05	down
6029682	7303635	1631441	spastin	Spast	362700	1,07	down
6135884	7303635	1631459	spastin	Spast	362700	1,26	up
6164068	7303635	1631452	spastin	Spast	362700	1,11	down
6209698	7303635	1631447	spastin	Spast	362700	1,12	down
6219537	7303635	1631457	spastin	Spast	362700	1,29	up
6235314	7303635	1631443	spastin	Spast	362700	1,03	up
6270793	7303635	1631456	spastin	Spast	362700	1,09	down
6320626	7303635	1631441	spastin	Spast	362700	1,22	down
6375593	7303635	1631448	spastin	Spast	362700	1,03	up
6416387	7303635	1631449	spastin	Spast	362700	1,06	down
6433317	7303635	1631444	spastin	Spast	362700	1,25	down
6487804	7303635	1631459	spastin	Spast	362700	1,37	down
6519371	7303635	1631450	spastin	Spast	362700	1,03	down
6669531	7303635	1631446	spastin	Spast	362700	1,19	up
6695736	7303635	1631454	spastin	Spast	362700	1,03	up
6702463	7303635	1631459	spastin	Spast	362700	1,17	up
5625303	7308057	1642752	spectrin, beta, erythrocytic	Sptb	314251	1,06	down
5636288	7308057	1642778	spectrin, beta, erythrocytic	Sptb	314251	1,71	down
5664934	7308057	1642753	spectrin, beta, erythrocytic	Sptb	314251	1,13	down
5733744	7308057	1642764	spectrin, beta, erythrocytic	Sptb	314251	1,17	down
5757252	7308057	1642781	spectrin, beta, erythrocytic	Sptb	314251	1,54	up
5768781	7308057	1642780	spectrin, beta, erythrocytic	Sptb	314251	1,28	down
5830704	7308057	1642779	spectrin, beta, erythrocytic	Sptb	314251	1,24	down
5854363	7308057	1642783	spectrin, beta, erythrocytic	Sptb	314251	1,48	down
5892018	7308057	1642773	spectrin, beta, erythrocytic	Sptb	314251	1,21	down
5898158	7308057	1642765	spectrin, beta, erythrocytic	Sptb	314251	1,40	up
5904048	7308057	1642761	spectrin, beta, erythrocytic	Sptb	314251	1,27	down
5926660	7308057	1642771	spectrin, beta, erythrocytic	Sptb	314251	1,42	down
5941067	7308057	1642768	spectrin, beta, erythrocytic	Sptb	314251	1,26	down
5973796	7308057	1642752	spectrin, beta, erythrocytic	Sptb	314251	2,55	down
6008202	7308057	1642762	spectrin, beta, erythrocytic	Sptb	314251	1,04	down
6046414	7308057	1642763	spectrin, beta, erythrocytic	Sptb	314251	1,75	up
6079881	7308057	1642755	spectrin, beta, erythrocytic	Sptb	314251	1,07	down
6107796	7308057	1642776	spectrin, beta, erythrocytic	Sptb	314251	2,09	down
6132441	7308057	1642758	spectrin, beta, erythrocytic	Sptb	314251	1,18	up
6161559	7308057	1642752	spectrin, beta, erythrocytic	Sptb	314251	1,20	down
6174566	7308057	1642769	spectrin, beta, erythrocytic	Sptb	314251	1,42	down
6184380	7308057	1642775	spectrin, beta, erythrocytic	Sptb	314251	1,12	down
6282697	7308057	1642760	spectrin, beta, erythrocytic	Sptb	314251	1,90	up
6434404	7308057	1642772	spectrin, beta, erythrocytic	Sptb	314251	1,38	down
6494783	7308057	1642759	spectrin, beta, erythrocytic	Sptb	314251	1,25	up
6525896	7308057	1642782	spectrin, beta, erythrocytic	Sptb	314251	1,03	down
6554545	7308057	1642777	spectrin, beta, erythrocytic	Sptb	314251	1,44	up
6593001	7308057	1642774	spectrin, beta, erythrocytic	Sptb	314251	1,80	up
6598628	7308057	1642782	spectrin, beta, erythrocytic	Sptb	314251	1,22	down
6641993	7308057	1642770	spectrin, beta, erythrocytic	Sptb	314251	1,23	down
6648399	7308057	1642754	spectrin, beta, erythrocytic	Sptb	314251	1,33	down
6653530	7308057	1642766	spectrin, beta, erythrocytic	Sptb	314251	1,06	up
6654665	7308057	1642767	spectrin, beta, erythrocytic	Sptb	314251	1,00	down
6706983	7308057	1642756	spectrin, beta, erythrocytic	Sptb	314251	1,40	up

6730368	7308057	1642757	spectrin, beta, erythrocytic	Sptb	314251	1,02	down
6376327	7243647	1482487	spectrin, beta, non-erythrocytic 5	Sptbn5	296090	1,28	up
5625560	7316192	1662685	sperm associated antigen 1	Spag1	315033	1,51	down
5827635	7316192	1662688	sperm associated antigen 1	Spag1	315033	1,55	up
5831923	7316192	1662678	sperm associated antigen 1	Spag1	315033	1,05	up
5859706	7316192	1662693	sperm associated antigen 1	Spag1	315033	1,54	down
5899064	7316192	1662684	sperm associated antigen 1	Spag1	315033	1,51	up
5906624	7316192	1662687	sperm associated antigen 1	Spag1	315033	1,46	up
5948265	7316192	1662680	sperm associated antigen 1	Spag1	315033	1,32	up
5949824	7316192	1662689	sperm associated antigen 1	Spag1	315033	1,14	up
5956497	7316192	1662677	sperm associated antigen 1	Spag1	315033	1,00	down
6042567	7316192	1662695	sperm associated antigen 1	Spag1	315033	1,74	down
6154490	7316192	1662692	sperm associated antigen 1	Spag1	315033	1,03	up
6164102	7316192	1662686	sperm associated antigen 1	Spag1	315033	1,15	down
6250669	7316192	1662696	sperm associated antigen 1	Spag1	315033	1,37	down
6319623	7316192	1662694	sperm associated antigen 1	Spag1	315033	2,00	down
6419685	7316192	1662681	sperm associated antigen 1	Spag1	315033	1,03	down
6479551	7316192	1662682	sperm associated antigen 1	Spag1	315033	1,64	up
6621038	7316192	1662683	sperm associated antigen 1	Spag1	315033	1,41	up
6632774	7316192	1662679	sperm associated antigen 1	Spag1	315033	1,02	up
6663112	7316192	1662690	sperm associated antigen 1	Spag1	315033	1,71	down
6704150	7316192	1662691	sperm associated antigen 1	Spag1	315033	1,52	up
5693779	7124981	1189244	spermatogenesis associated 18	Spata18	289586	1,26	down
5744176	7124981	1189232	spermatogenesis associated 18	Spata18	289586	1,71	down
5773869	7124981	1189243	spermatogenesis associated 18	Spata18	289586	1,36	up
5874023	7124981	1189234	spermatogenesis associated 18	Spata18	289586	1,52	down
5876654	7124981	1189237	spermatogenesis associated 18	Spata18	289586	1,71	down
6027979	7124981	1189238	spermatogenesis associated 18	Spata18	289586	1,13	down
6071929	7124981	1189233	spermatogenesis associated 18	Spata18	289586	1,30	up
6177173	7124981	1189237	spermatogenesis associated 18	Spata18	289586	1,73	up
6191116	7124981	1189241	spermatogenesis associated 18	Spata18	289586	1,04	down
6211835	7124981	1189242	spermatogenesis associated 18	Spata18	289586	1,38	down
6402061	7124981	1189233	spermatogenesis associated 18	Spata18	289586	1,15	down
6475540	7124981	1189235	spermatogenesis associated 18	Spata18	289586	1,28	up
6530424	7124981	1189239	spermatogenesis associated 18	Spata18	289586	1,73	up
6554678	7124981	1189238	spermatogenesis associated 18	Spata18	289586	1,61	up
6576503	7124981	1189244	spermatogenesis associated 18	Spata18	289586	1,38	up
6629619	7124981	1189240	spermatogenesis associated 18	Spata18	289586	1,60	up
6721792	7124981	1189244	spermatogenesis associated 18	Spata18	289586	2,12	up
6741462	7124981	1189236	spermatogenesis associated 18	Spata18	289586	1,26	up
5689130	7081731	1083301	spermatogenesis associated 20	Spata20	360604	1,43	up
5696271	7081731	1083297	spermatogenesis associated 20	Spata20	360604	1,60	down
5843982	7081731	1083304	spermatogenesis associated 20	Spata20	360604	1,50	up
5872933	7081731	1083303	spermatogenesis associated 20	Spata20	360604	1,03	down
5897719	7081731	1083298	spermatogenesis associated 20	Spata20	360604	1,08	down
5936284	7081731	1083293	spermatogenesis associated 20	Spata20	360604	1,19	up
5965767	7081731	1083300	spermatogenesis associated 20	Spata20	360604	1,25	up
5990251	7081731	1083296	spermatogenesis associated 20	Spata20	360604	1,05	up
5994243	7081731	1083294	spermatogenesis associated 20	Spata20	360604	1,46	up
6066755	7081731	1083307	spermatogenesis associated 20	Spata20	360604	1,16	down
6164942	7081731	1083295	spermatogenesis associated 20	Spata20	360604	2,10	down
6216626	7081731	1083307	spermatogenesis associated 20	Spata20	360604	1,11	up
6235752	7081731	1083292	spermatogenesis associated 20	Spata20	360604	1,02	up
6335800	7081731	1083308	spermatogenesis associated 20	Spata20	360604	1,13	up
6376717	7081731	1083302	spermatogenesis associated 20	Spata20	360604	1,05	up
6384838	7081731	1083305	spermatogenesis associated 20	Spata20	360604	1,49	up

6403016	7081731	1083296	spermatogenesis associated 20	Spata20	360604	1,40	down
6420084	7081731	1083299	spermatogenesis associated 20	Spata20	360604	1,77	down
6513274	7081731	1083308	spermatogenesis associated 20	Spata20	360604	1,31	down
6522605	7081731	1083306	spermatogenesis associated 20	Spata20	360604	1,16	up
5641295	7281086	1575597	spermatogenesis associated 21	Spata21	366491	1,31	up
5663294	7281086	1575599	spermatogenesis associated 21	Spata21	366491	1,01	down
5742582	7281086	1575595	spermatogenesis associated 21	Spata21	366491	1,29	up
5796804	7281086	1575598	spermatogenesis associated 21	Spata21	366491	1,26	down
5804122	7281086	1575598	spermatogenesis associated 21	Spata21	366491	1,58	up
5805069	7281086	1575594	spermatogenesis associated 21	Spata21	366491	1,25	up
6040647	7281086	1575586	spermatogenesis associated 21	Spata21	366491	1,33	down
6101676	7281086	1575599	spermatogenesis associated 21	Spata21	366491	1,04	up
6121645	7281086	1575593	spermatogenesis associated 21	Spata21	366491	1,12	up
6132862	7281086	1575590	spermatogenesis associated 21	Spata21	366491	1,63	down
6184158	7281086	1575592	spermatogenesis associated 21	Spata21	366491	1,00	up
6196495	7281086	1575589	spermatogenesis associated 21	Spata21	366491	1,52	up
6251373	7281086	1575588	spermatogenesis associated 21	Spata21	366491	1,03	down
6311370	7281086	1575592	spermatogenesis associated 21	Spata21	366491	2,01	down
6316397	7281086	1575596	spermatogenesis associated 21	Spata21	366491	1,04	down
6330897	7281086	1575599	spermatogenesis associated 21	Spata21	366491	1,50	down
6336722	7281086	1575585	spermatogenesis associated 21	Spata21	366491	1,32	up
6485714	7281086	1575592	spermatogenesis associated 21	Spata21	366491	1,09	down
6494831	7281086	1575598	spermatogenesis associated 21	Spata21	366491	1,01	up
6520227	7281086	1575588	spermatogenesis associated 21	Spata21	366491	1,06	down
6560339	7281086	1575589	spermatogenesis associated 21	Spata21	366491	1,02	down
6634790	7281086	1575587	spermatogenesis associated 21	Spata21	366491	1,14	up
6721469	7281086	1575591	spermatogenesis associated 21	Spata21	366491	1,48	up
5737387	7352152	1750342	spermatogenesis associated, serine-rich 1	Spats1	301255	1,14	down
5893453	7352152	1750340	spermatogenesis associated, serine-rich 1	Spats1	301255	1,26	up
5997275	7352152	1750339	spermatogenesis associated, serine-rich 1	Spats1	301255	1,04	down
6029778	7352152	1750337	spermatogenesis associated, serine-rich 1	Spats1	301255	1,35	down
6046940	7352152	1750338	spermatogenesis associated, serine-rich 1	Spats1	301255	1,17	up
6049738	7352152	1750336	spermatogenesis associated, serine-rich 1	Spats1	301255	1,01	up
6078624	7352152	1750337	spermatogenesis associated, serine-rich 1	Spats1	301255	1,03	up
6429032	7352152	1750342	spermatogenesis associated, serine-rich 1	Spats1	301255	1,39	down
6660757	7352152	1750341	spermatogenesis associated, serine-rich 1	Spats1	301255	1,17	up
5673765	7375057	1809524	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,27	down
5897036	7375057	1809527	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,59	down
5905463	7375057	1809523	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,88	down
5928129	7375057	1809523	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	2,14	up
5938772	7375057	1809523	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,35	up
5990690	7375057	1809526	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,24	up
6035598	7375057	1809529	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,13	up
6533692	7375057	1809525	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,37	down
6575714	7375057	1809528	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,19	up
5930222	7342926	1727280	sphingosine-1-phosphate receptor 2	S1pr2	29415	1,08	down
6118069	7342926	1727281	sphingosine-1-phosphate receptor 2	S1pr2	29415	1,22	down
6321786	7342926	1727281	sphingosine-1-phosphate receptor 2	S1pr2	29415	1,39	down
6434564	7342926	1727281	sphingosine-1-phosphate receptor 2	S1pr2	29415	1,55	up
6435762	7342926	1727281	sphingosine-1-phosphate receptor 2	S1pr2	29415	2,54	down
6465032	7342926	1727280	sphingosine-1-phosphate receptor 2	S1pr2	29415	1,11	down
6469398	7342926	1727280	sphingosine-1-phosphate receptor 2	S1pr2	29415	1,82	up
5646448	7198325	1371331	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,07	down
5666201	7198325	1371344	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,04	down
5666485	7198325	1371345	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,19	up
5723719	7198325	1371343	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,22	down

5724624	7198325	1371336	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,18	up
5847823	7198325	1371342	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,15	down
5928035	7198325	1371337	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,21	up
6071319	7198325	1371339	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,20	down
6134639	7198325	1371340	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,26	down
6265582	7198325	1371338	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,15	up
6438502	7198325	1371335	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,20	up
6500722	7198325	1371346	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,41	up
6530431	7198325	1371349	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,23	up
6606867	7198325	1371348	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,09	down
6660728	7198325	1371341	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,04	up
5695165	7181871	1330182	spire homolog 2 (Drosophila)	Spire2	307925	1,08	down
5764556	7181871	1330179	spire homolog 2 (Drosophila)	Spire2	307925	1,16	down
5803453	7181871	1330178	spire homolog 2 (Drosophila)	Spire2	307925	1,12	up
5808579	7181871	1330184	spire homolog 2 (Drosophila)	Spire2	307925	1,57	down
5937644	7181871	1330167	spire homolog 2 (Drosophila)	Spire2	307925	1,23	down
6068149	7181871	1330169	spire homolog 2 (Drosophila)	Spire2	307925	1,05	down
6178041	7181871	1330185	spire homolog 2 (Drosophila)	Spire2	307925	1,36	up
6180407	7181871	1330186	spire homolog 2 (Drosophila)	Spire2	307925	1,04	down
6218705	7181871	1330183	spire homolog 2 (Drosophila)	Spire2	307925	1,02	down
6224968	7181871	1330179	spire homolog 2 (Drosophila)	Spire2	307925	1,24	down
6269488	7181871	1330176	spire homolog 2 (Drosophila)	Spire2	307925	1,01	up
6347840	7181871	1330180	spire homolog 2 (Drosophila)	Spire2	307925	1,07	up
6445527	7181871	1330186	spire homolog 2 (Drosophila)	Spire2	307925	1,15	up
6452972	7181871	1330175	spire homolog 2 (Drosophila)	Spire2	307925	1,67	up
6582541	7181871	1330177	spire homolog 2 (Drosophila)	Spire2	307925	1,26	up
6609010	7181871	1330167	spire homolog 2 (Drosophila)	Spire2	307925	1,06	up
6617527	7181871	1330173	spire homolog 2 (Drosophila)	Spire2	307925	1,30	down
6661299	7181871	1330174	spire homolog 2 (Drosophila)	Spire2	307925	2,18	up
6681637	7181871	1330177	spire homolog 2 (Drosophila)	Spire2	307925	1,72	up
6720972	7181871	1330167	spire homolog 2 (Drosophila)	Spire2	307925	1,49	down
5621509	7162313	1280960	spleen tyrosine kinase	Syk	25155	1,03	up
5630146	7162313	1280973	spleen tyrosine kinase	Syk	25155	1,38	down
5670021	7162313	1280962	spleen tyrosine kinase	Syk	25155	1,06	up
5700064	7162313	1280961	spleen tyrosine kinase	Syk	25155	1,18	up
5767781	7162313	1280966	spleen tyrosine kinase	Syk	25155	1,33	down
5795125	7162313	1280973	spleen tyrosine kinase	Syk	25155	1,08	up
5818911	7162313	1280965	spleen tyrosine kinase	Syk	25155	2,04	down
5942002	7162313	1280971	spleen tyrosine kinase	Syk	25155	1,29	up
6052895	7162313	1280972	spleen tyrosine kinase	Syk	25155	1,02	up
6067454	7162313	1280974	spleen tyrosine kinase	Syk	25155	1,15	down
6081317	7162313	1280964	spleen tyrosine kinase	Syk	25155	1,30	down
6138883	7162313	1280969	spleen tyrosine kinase	Syk	25155	1,01	down
6204547	7162313	1280963	spleen tyrosine kinase	Syk	25155	1,43	down
6278184	7162313	1280967	spleen tyrosine kinase	Syk	25155	1,06	up
6452839	7162313	1280959	spleen tyrosine kinase	Syk	25155	1,75	up
6564534	7162313	1280968	spleen tyrosine kinase	Syk	25155	1,43	down
6599639	7162313	1280970	spleen tyrosine kinase	Syk	25155	1,15	up
6614830	7162313	1280972	spleen tyrosine kinase	Syk	25155	1,20	down
5769823	7059721	1030860	splicing factor 3b, subunit 2	Sf3b2	293671	1,04	down
5811626	7059721	1030866	splicing factor 3b, subunit 2	Sf3b2	293671	1,29	up
5868335	7059721	1030849	splicing factor 3b, subunit 2	Sf3b2	293671	1,10	up
5894483	7059721	1030862	splicing factor 3b, subunit 2	Sf3b2	293671	1,24	down
5902262	7059721	1030858	splicing factor 3b, subunit 2	Sf3b2	293671	1,10	up
6157425	7059721	1030851	splicing factor 3b, subunit 2	Sf3b2	293671	1,05	down
6198128	7059721	1030859	splicing factor 3b, subunit 2	Sf3b2	293671	1,11	up

6258953	7059721	1030848	splicing factor 3b, subunit 2	Sf3b2	293671	1,11	up
6335249	7059721	1030850	splicing factor 3b, subunit 2	Sf3b2	293671	1,15	down
6358068	7059721	1030855	splicing factor 3b, subunit 2	Sf3b2	293671	1,15	up
6375244	7059721	1030861	splicing factor 3b, subunit 2	Sf3b2	293671	1,00	down
6417011	7059721	1030846	splicing factor 3b, subunit 2	Sf3b2	293671	1,23	down
6425765	7059721	1030863	splicing factor 3b, subunit 2	Sf3b2	293671	1,03	up
6451871	7059721	1030846	splicing factor 3b, subunit 2	Sf3b2	293671	2,57	down
6466184	7059721	1030857	splicing factor 3b, subunit 2	Sf3b2	293671	1,03	up
6533510	7059721	1030854	splicing factor 3b, subunit 2	Sf3b2	293671	1,02	down
6570886	7059721	1030852	splicing factor 3b, subunit 2	Sf3b2	293671	1,11	down
6577008	7059721	1030847	splicing factor 3b, subunit 2	Sf3b2	293671	1,25	up
6599027	7059721	1030865	splicing factor 3b, subunit 2	Sf3b2	293671	1,16	up
6617451	7059721	1030866	splicing factor 3b, subunit 2	Sf3b2	293671	1,13	down
6618087	7059721	1030864	splicing factor 3b, subunit 2	Sf3b2	293671	1,11	down
6635829	7059721	1030856	splicing factor 3b, subunit 2	Sf3b2	293671	1,22	up
5647938	7279586	1572064	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,10	down
5759334	7279586	1572072	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,01	down
5866405	7279586	1572063	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,11	down
5907575	7279586	1572063	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,14	up
5921405	7279586	1572063	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,77	up
5950964	7279586	1572065	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,14	up
6003954	7279586	1572069	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,21	up
6074011	7279586	1572067	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,58	up
6155067	7279586	1572061	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,14	up
6227086	7279586	1572072	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,13	up
6285276	7279586	1572066	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,14	down
6317431	7279586	1572071	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,17	down
6361044	7279586	1572070	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,10	down
6402596	7279586	1572072	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,02	down
6426032	7279586	1572063	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,14	up
6431744	7279586	1572068	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,19	up
6445171	7279586	1572063	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,31	down
6500807	7279586	1572063	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associ.	Sfpq	252855	1,25	down
5635868	7216132	1413396	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,03	down
5871869	7216132	1413391	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,17	down
5948227	7216132	1413400	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,46	down
5994013	7216132	1413392	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,17	down
6021190	7216132	1413395	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,10	down
6076441	7216132	1413390	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,07	down
6099547	7216132	1413387	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,03	up
6206424	7216132	1413397	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,12	down
6253880	7216132	1413393	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,03	down
6258410	7216132	1413388	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,02	down
6503480	7216132	1413399	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,34	up
6530126	7216132	1413400	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,32	up
6699428	7216132	1413398	splicing factor, arginine/serine-rich 11	Sfrs11	502603	1,02	up
5666461	7086664	1094291	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,56	up
5668222	7086664	1094270	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,24	up
5693919	7086664	1094281	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,27	up
5711049	7086664	1094286	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,13	down
5720883	7086664	1094279	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,11	down
5731753	7086664	1094287	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,11	up
5835523	7086664	1094283	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,20	down
5937404	7086664	1094284	splicing factor, arginine/serine-rich 15	Sfrs15	245924	2,72	down
5985889	7086664	1094269	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,20	up
6024990	7086664	1094277	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,05	up

6077988	7086664	1094272	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,05	down
6081695	7086664	1094291	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,16	down
6088008	7086664	1094278	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,09	up
6127259	7086664	1094267	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,34	down
6135294	7086664	1094267	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,28	down
6242723	7086664	1094263	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,10	down
6310059	7086664	1094282	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,09	up
6327826	7086664	1094285	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,05	up
6340009	7086664	1094291	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,01	down
6370674	7086664	1094280	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,07	down
6385833	7086664	1094263	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,04	up
6422815	7086664	1094271	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,04	up
6485055	7086664	1094284	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,01	down
6486396	7086664	1094280	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,16	down
6577654	7086664	1094276	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,16	down
6589695	7086664	1094268	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,11	down
6660041	7086664	1094292	splicing factor, arginine/serine-rich 15	Sfrs15	245924	1,42	down
5660413	7273244	1555932	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,01	down
5777820	7273244	1555932	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,12	down
5816776	7273244	1555933	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,06	down
5858933	7273244	1555933	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,12	up
5897788	7273244	1555933	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,02	up
5914542	7273244	1555931	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,16	up
6074543	7273244	1555933	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,09	down
6081801	7273244	1555933	splicing factor, arginine/serine-rich 18	Sfrs18	297942	2,11	down
6091052	7273244	1555932	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,21	up
6096776	7273244	1555932	splicing factor, arginine/serine-rich 18	Sfrs18	297942	2,13	up
6378051	7273244	1555934	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,56	up
6382717	7273244	1555931	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,06	up
6461130	7273244	1555933	splicing factor, arginine/serine-rich 18	Sfrs18	297942	1,08	down
6472098	7273244	1555934	splicing factor, arginine/serine-rich 18	Sfrs18	297942	2,39	down
5633937	7302786	1628866	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,03	up
5635307	7302786	1628864	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,31	up
5798553	7302786	1628863	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,24	up
5880876	7302786	1628868	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,01	up
6038165	7302786	1628870	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,08	up
6078671	7302786	1628865	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,11	up
6101752	7302786	1628870	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,12	down
6322007	7302786	1628864	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,73	up
6384604	7302786	1628867	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,01	down
6713828	7302786	1628863	splicing factor, arginine/serine-rich 7	Sfrs7	362687	1,09	up
5715000	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,59	down
5753706	7101643	1131573	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,17	down
5800673	7101643	1131592	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,14	up
5928937	7101643	1131593	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,00	down
5949465	7101643	1131594	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,18	up
5989241	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,15	down
6030707	7101643	1131578	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,01	down
6091038	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,59	up
6108322	7101643	1131567	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,06	down
6162664	7101643	1131576	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,32	down
6201166	7101643	1131577	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,06	down
6214326	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,36	down
6217291	7101643	1131583	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,50	up
6233567	7101643	1131590	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,03	down
6268344	7101643	1131582	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,46	up

6268454	7101643	1131591	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,19	up
6297254	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,64	up
6324286	7101643	1131576	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,02	up
6341828	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,22	up
6418056	7101643	1131581	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,24	down
6481350	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,32	down
6553704	7101643	1131566	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,07	down
6563623	7101643	1131580	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,74	up
6631176	7101643	1131576	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,15	down
6632648	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,05	down
6734665	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,14	up
5636569	7193228	1358741	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	Spry1	294981	1,31	down
5856757	7193228	1358741	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	Spry1	294981	1,35	up
5869379	7193228	1358742	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	Spry1	294981	1,39	up
5974054	7193228	1358741	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	Spry1	294981	2,04	up
5980090	7193228	1358741	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	Spry1	294981	1,20	down
6160371	7193228	1358742	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	Spry1	294981	1,04	up
5896721	7370475	1797127	src homology 2 domain-containing transforming protein D	Shd	316507	1,30	up
5910737	7370475	1797131	src homology 2 domain-containing transforming protein D	Shd	316507	1,32	down
6052662	7370475	1797130	src homology 2 domain-containing transforming protein D	Shd	316507	2,46	up
6070411	7370475	1797135	src homology 2 domain-containing transforming protein D	Shd	316507	1,14	down
6188991	7370475	1797127	src homology 2 domain-containing transforming protein D	Shd	316507	1,31	up
6330207	7370475	1797135	src homology 2 domain-containing transforming protein D	Shd	316507	1,60	up
6367095	7370475	1797128	src homology 2 domain-containing transforming protein D	Shd	316507	1,13	down
6472507	7370475	1797132	src homology 2 domain-containing transforming protein D	Shd	316507	1,01	up
6710950	7370475	1797136	src homology 2 domain-containing transforming protein D	Shd	316507	1,38	down
5682666	7111181	1155226	SRY (sex determining region Y)-box 13	Sox13	289026	2,45	down
5766777	7111181	1155235	SRY (sex determining region Y)-box 13	Sox13	289026	1,14	down
5778323	7111181	1155224	SRY (sex determining region Y)-box 13	Sox13	289026	1,04	down
5800244	7111181	1155225	SRY (sex determining region Y)-box 13	Sox13	289026	1,53	up
5805693	7111181	1155231	SRY (sex determining region Y)-box 13	Sox13	289026	1,24	down
5858408	7111181	1155233	SRY (sex determining region Y)-box 13	Sox13	289026	1,29	up
5906197	7111181	1155223	SRY (sex determining region Y)-box 13	Sox13	289026	1,56	down
5949534	7111181	1155232	SRY (sex determining region Y)-box 13	Sox13	289026	1,36	down
6059847	7111181	1155234	SRY (sex determining region Y)-box 13	Sox13	289026	1,05	up
6081461	7111181	1155229	SRY (sex determining region Y)-box 13	Sox13	289026	1,44	up
6249911	7111181	1155230	SRY (sex determining region Y)-box 13	Sox13	289026	1,41	up
6306930	7111181	1155238	SRY (sex determining region Y)-box 13	Sox13	289026	1,59	down
6456226	7111181	1155227	SRY (sex determining region Y)-box 13	Sox13	289026	2,78	down
6567929	7111181	1155228	SRY (sex determining region Y)-box 13	Sox13	289026	1,19	up
6746092	7111181	1155223	SRY (sex determining region Y)-box 13	Sox13	289026	1,11	down
5720030	7056304	1023558	SRY (sex determining region Y)-box 6	Sox6	293165	1,14	down
5743927	7056304	1023558	SRY (sex determining region Y)-box 6	Sox6	293165	1,42	down
5878426	7056304	1023571	SRY (sex determining region Y)-box 6	Sox6	293165	1,11	down
5908378	7056304	1023548	SRY (sex determining region Y)-box 6	Sox6	293165	1,07	down
6073164	7056304	1023616	SRY (sex determining region Y)-box 6	Sox6	293165	1,84	up
6078208	7056304	1023561	SRY (sex determining region Y)-box 6	Sox6	293165	1,15	up
6099122	7056304	1023582	SRY (sex determining region Y)-box 6	Sox6	293165	1,39	down
6205229	7056304	1023597	SRY (sex determining region Y)-box 6	Sox6	293165	1,12	up
6254759	7056304	1023537	SRY (sex determining region Y)-box 6	Sox6	293165	1,04	up
6373754	7056304	1023549	SRY (sex determining region Y)-box 6	Sox6	293165	1,08	down
6426639	7056304	1023524	SRY (sex determining region Y)-box 6	Sox6	293165	1,03	down
6532329	7056304	1023521	SRY (sex determining region Y)-box 6	Sox6	293165	1,08	up
6586818	7056304	1023593	SRY (sex determining region Y)-box 6	Sox6	293165	1,02	down
6650452	7056304	1023550	SRY (sex determining region Y)-box 6	Sox6	293165	1,24	down
6651788	7056304	1023597	SRY (sex determining region Y)-box 6	Sox6	293165	1,05	up

6690141	7056304	1023569	SRY (sex determining region Y)-box 6	Sox6	293165	2,64	up
6702226	7056304	1023548	SRY (sex determining region Y)-box 6	Sox6	293165	1,05	down
6745516	7056304	1023582	SRY (sex determining region Y)-box 6	Sox6	293165	1,00	down
5671983	7075533	1069572	SRY (sex determining region Y)-box 8	Sox8	302993	1,04	up
5759305	7075533	1069569	SRY (sex determining region Y)-box 8	Sox8	302993	1,56	down
5934266	7075533	1069569	SRY (sex determining region Y)-box 8	Sox8	302993	1,12	up
6030264	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	1,84	down
6185810	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	2,64	down
6418959	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	1,07	up
6486512	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	1,02	up
5749329	7181026	1327844	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,09	up
5969245	7181026	1327843	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,79	up
6194760	7181026	1327839	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,06	down
6367959	7181026	1327841	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,17	up
6415802	7181026	1327838	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,01	up
6440579	7181026	1327844	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,08	down
6496896	7181026	1327842	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	2,26	down
5683892	7343909	1729988	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,18	down
5690144	7343909	1729987	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,54	down
5723131	7343909	1729980	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	2,12	down
5744270	7343909	1729982	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,69	down
6144275	7343909	1729984	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,05	up
6201903	7343909	1729981	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,05	up
6466445	7343909	1729986	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,05	down
6471370	7343909	1729978	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,97	up
6510788	7343909	1729983	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,07	up
6649774	7343909	1729979	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,12	down
6685195	7343909	1729989	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,23	up
6734905	7343909	1729985	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	St3gal4	363040	1,28	down
5659442	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,17	down
5791672	7094780	1114557	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,27	down
5799259	7094780	1114560	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,11	up
5838256	7094780	1114555	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,27	down
5948106	7094780	1114552	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,02	down
6175499	7094780	1114551	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,02	down
6188168	7094780	1114553	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,36	down
6234293	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,08	up
6296460	7094780	1114550	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,47	down
6329008	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,50	up
6403013	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,03	down
6564296	7094780	1114559	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	2,03	up
6569995	7094780	1114549	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,02	up
6589376	7094780	1114554	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,06	down
6590671	7094780	1114556	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,28	up
6627447	7094780	1114558	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	2,24	up
6653624	7094780	1114548	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,41	up
6699870	7094780	1114562	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	2,20	up
5998868	7033672	970368	StAR-related lipid transfer (START) domain containing 5	Stard5	502348	1,07	down
5707927	7248977	1494983	stathmin-like 3	Stmn3	29246	1,02	down
6056109	7248977	1494983	stathmin-like 3	Stmn3	29246	1,80	down
6225056	7248977	1494987	stathmin-like 3	Stmn3	29246	1,02	down
6519181	7248977	1494986	stathmin-like 3	Stmn3	29246	1,61	down
6604229	7248977	1494985	stathmin-like 3	Stmn3	29246	1,28	up
6645060	7248977	1494984	stathmin-like 3	Stmn3	29246	2,86	up
5706982	7042758	992152	STE20-like kinase (yeast)	Slk	54308	1,06	down
5745952	7042758	992152	STE20-like kinase (yeast)	Slk	54308	1,14	down

5780559	7042758	992155	STE20-like kinase (yeast)	Slk	54308	1,22	down
5928352	7042758	992148	STE20-like kinase (yeast)	Slk	54308	1,16	up
5931770	7042758	992154	STE20-like kinase (yeast)	Slk	54308	1,19	up
5981047	7042758	992160	STE20-like kinase (yeast)	Slk	54308	1,01	down
6018837	7042758	992149	STE20-like kinase (yeast)	Slk	54308	1,39	up
6037195	7042758	992144	STE20-like kinase (yeast)	Slk	54308	1,11	down
6097922	7042758	992156	STE20-like kinase (yeast)	Slk	54308	2,26	down
6098830	7042758	992145	STE20-like kinase (yeast)	Slk	54308	1,05	down
6116547	7042758	992147	STE20-like kinase (yeast)	Slk	54308	1,16	down
6169880	7042758	992150	STE20-like kinase (yeast)	Slk	54308	1,15	up
6212463	7042758	992157	STE20-like kinase (yeast)	Slk	54308	1,02	down
6316178	7042758	992153	STE20-like kinase (yeast)	Slk	54308	1,36	up
6343762	7042758	992158	STE20-like kinase (yeast)	Slk	54308	1,06	up
6397558	7042758	992144	STE20-like kinase (yeast)	Slk	54308	1,14	down
6420622	7042758	992159	STE20-like kinase (yeast)	Slk	54308	1,03	up
6426625	7042758	992146	STE20-like kinase (yeast)	Slk	54308	1,06	down
6510569	7042758	992152	STE20-like kinase (yeast)	Slk	54308	1,05	down
6658960	7042758	992152	STE20-like kinase (yeast)	Slk	54308	1,14	up
6671549	7042758	992151	STE20-like kinase (yeast)	Slk	54308	1,09	up
5703576	7044052	995684	sterile alpha motif domain containing 5	Samd5	365038	1,15	up
5706252	7044052	995675	sterile alpha motif domain containing 5	Samd5	365038	1,00	up
5886805	7044052	995684	sterile alpha motif domain containing 5	Samd5	365038	2,19	up
6296443	7044052	995684	sterile alpha motif domain containing 5	Samd5	365038	1,32	down
5677783	7261766	1527156	sterile alpha motif domain containing 9-like	Samd9l	500015	1,40	down
6101494	7261766	1527157	sterile alpha motif domain containing 9-like	Samd9l	500015	4,33	up
5702538	7321006	1674750	sterol O-acyltransferase 2	Soat2	266770	1,20	down
5834779	7321006	1674765	sterol O-acyltransferase 2	Soat2	266770	1,40	down
5837624	7321006	1674755	sterol O-acyltransferase 2	Soat2	266770	1,12	up
5890290	7321006	1674763	sterol O-acyltransferase 2	Soat2	266770	1,30	down
5987208	7321006	1674759	sterol O-acyltransferase 2	Soat2	266770	1,27	down
5993086	7321006	1674752	sterol O-acyltransferase 2	Soat2	266770	1,40	down
5997392	7321006	1674750	sterol O-acyltransferase 2	Soat2	266770	1,01	down
6130634	7321006	1674757	sterol O-acyltransferase 2	Soat2	266770	1,08	down
6185058	7321006	1674760	sterol O-acyltransferase 2	Soat2	266770	1,11	up
6202725	7321006	1674764	sterol O-acyltransferase 2	Soat2	266770	1,67	up
6238370	7321006	1674762	sterol O-acyltransferase 2	Soat2	266770	1,16	up
6355925	7321006	1674756	sterol O-acyltransferase 2	Soat2	266770	1,02	up
6369851	7321006	1674753	sterol O-acyltransferase 2	Soat2	266770	1,37	down
6514296	7321006	1674763	sterol O-acyltransferase 2	Soat2	266770	1,04	up
6561394	7321006	1674758	sterol O-acyltransferase 2	Soat2	266770	1,23	down
6659965	7321006	1674761	sterol O-acyltransferase 2	Soat2	266770	1,31	down
6713119	7321006	1674751	sterol O-acyltransferase 2	Soat2	266770	1,13	up
6732527	7321006	1674754	sterol O-acyltransferase 2	Soat2	266770	2,45	up
6745282	7321006	1674764	sterol O-acyltransferase 2	Soat2	266770	1,21	down
5693441	7312566	1653332	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,24	down
5695646	7312566	1653319	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,31	up
5712363	7312566	1653300	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,11	up
5773414	7312566	1653328	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,31	up
5798335	7312566	1653295	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,33	down
5866709	7312566	1653332	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,62	up
5871476	7312566	1653325	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,10	up
5881876	7312566	1653311	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,26	up
5891041	7312566	1653310	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	2,14	up
5895319	7312566	1653298	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,00	down
5947135	7312566	1653329	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,50	up
5947347	7312566	1653317	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,44	up

5957517	7312566	1653309	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,50	up
6003700	7312566	1653321	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,72	up
6008339	7312566	1653327	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,11	up
6104689	7312566	1653297	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,38	down
6113838	7312566	1653296	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,75	down
6114062	7312566	1653295	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	2,28	down
6171320	7312566	1653330	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,19	down
6198418	7312566	1653322	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,86	up
6235446	7312566	1653313	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,03	up
6306049	7312566	1653318	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,52	up
6350894	7312566	1653335	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,20	down
6373626	7312566	1653335	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,02	down
6377254	7312566	1653304	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,60	up
6447320	7312566	1653324	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,23	down
6467346	7312566	1653331	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,43	up
6476910	7312566	1653323	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,14	down
6477252	7312566	1653333	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,16	down
6502130	7312566	1653321	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,01	down
6511673	7312566	1653316	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,38	down
6564903	7312566	1653334	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,35	up
6593711	7312566	1653335	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,21	up
6597519	7312566	1653315	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,20	down
6661065	7312566	1653326	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,10	up
6676089	7312566	1653312	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,31	up
6704590	7312566	1653314	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,36	up
6735602	7312566	1653313	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,03	down
5645466	7339732	1719248	stromal antigen 1	Stag1	315958	1,02	down
5673175	7339732	1719192	stromal antigen 1	Stag1	315958	1,41	down
5736358	7339732	1719220	stromal antigen 1	Stag1	315958	1,01	down
5748455	7339732	1719226	stromal antigen 1	Stag1	315958	1,57	up
5862849	7339732	1719245	stromal antigen 1	Stag1	315958	1,23	down
5868456	7339732	1719204	stromal antigen 1	Stag1	315958	1,29	up
5923209	7339732	1719208	stromal antigen 1	Stag1	315958	1,17	down
5923575	7339732	1719199	stromal antigen 1	Stag1	315958	1,52	up
5975181	7339732	1719232	stromal antigen 1	Stag1	315958	1,23	up
5982508	7339732	1719215	stromal antigen 1	Stag1	315958	1,16	up
6185667	7339732	1719212	stromal antigen 1	Stag1	315958	1,09	up
6194048	7339732	1719211	stromal antigen 1	Stag1	315958	1,04	up
6197641	7339732	1719228	stromal antigen 1	Stag1	315958	1,83	up
6252620	7339732	1719230	stromal antigen 1	Stag1	315958	1,02	up
6281339	7339732	1719197	stromal antigen 1	Stag1	315958	1,29	down
6320234	7339732	1719246	stromal antigen 1	Stag1	315958	1,03	up
6348207	7339732	1719244	stromal antigen 1	Stag1	315958	1,55	down
6363130	7339732	1719241	stromal antigen 1	Stag1	315958	1,07	down
6368785	7339732	1719219	stromal antigen 1	Stag1	315958	1,78	up
6380768	7339732	1719208	stromal antigen 1	Stag1	315958	1,11	down
6381556	7339732	1719217	stromal antigen 1	Stag1	315958	1,60	up
6408493	7339732	1719247	stromal antigen 1	Stag1	315958	1,19	up
6471185	7339732	1719249	stromal antigen 1	Stag1	315958	1,22	up
6473945	7339732	1719201	stromal antigen 1	Stag1	315958	1,23	down
6521467	7339732	1719231	stromal antigen 1	Stag1	315958	2,11	down
6535676	7339732	1719236	stromal antigen 1	Stag1	315958	1,05	down
6579686	7339732	1719242	stromal antigen 1	Stag1	315958	1,21	down
6594844	7339732	1719206	stromal antigen 1	Stag1	315958	1,06	up
6597754	7339732	1719192	stromal antigen 1	Stag1	315958	1,26	up
6598958	7339732	1719229	stromal antigen 1	Stag1	315958	1,24	down

6608575	7339732	1719243	stromal antigen 1	Stag1	315958	1,46	down
6654734	7339732	1719227	stromal antigen 1	Stag1	315958	1,77	up
6694845	7339732	1719216	stromal antigen 1	Stag1	315958	1,07	down
6731567	7339732	1719236	stromal antigen 1	Stag1	315958	1,71	up
5668302	7097164	1120094	stromal antigen 3	Stag3	114522	1,11	up
5677947	7097164	1120113	stromal antigen 3	Stag3	114522	1,01	down
5697787	7097164	1120090	stromal antigen 3	Stag3	114522	1,12	up
5725889	7097164	1120098	stromal antigen 3	Stag3	114522	1,10	up
5749695	7097164	1120086	stromal antigen 3	Stag3	114522	1,15	down
5788101	7097164	1120118	stromal antigen 3	Stag3	114522	1,09	down
5796557	7097164	1120092	stromal antigen 3	Stag3	114522	1,23	down
5813571	7097164	1120100	stromal antigen 3	Stag3	114522	1,64	down
5819273	7097164	1120107	stromal antigen 3	Stag3	114522	1,00	down
5836955	7097164	1120083	stromal antigen 3	Stag3	114522	1,16	down
5854632	7097164	1120091	stromal antigen 3	Stag3	114522	1,04	up
5855948	7097164	1120097	stromal antigen 3	Stag3	114522	1,34	down
5901673	7097164	1120103	stromal antigen 3	Stag3	114522	1,13	up
5925716	7097164	1120115	stromal antigen 3	Stag3	114522	1,07	down
5939902	7097164	1120109	stromal antigen 3	Stag3	114522	1,08	up
5959100	7097164	1120102	stromal antigen 3	Stag3	114522	1,07	down
6036025	7097164	1120088	stromal antigen 3	Stag3	114522	1,29	down
6062670	7097164	1120084	stromal antigen 3	Stag3	114522	2,01	down
6142079	7097164	1120106	stromal antigen 3	Stag3	114522	1,05	down
6157423	7097164	1120105	stromal antigen 3	Stag3	114522	1,10	up
6222950	7097164	1120085	stromal antigen 3	Stag3	114522	1,18	down
6232167	7097164	1120099	stromal antigen 3	Stag3	114522	1,06	down
6254580	7097164	1120108	stromal antigen 3	Stag3	114522	1,06	up
6296177	7097164	1120111	stromal antigen 3	Stag3	114522	1,13	up
6306275	7097164	1120085	stromal antigen 3	Stag3	114522	1,07	up
6332161	7097164	1120117	stromal antigen 3	Stag3	114522	1,22	up
6360457	7097164	1120114	stromal antigen 3	Stag3	114522	1,02	down
6450023	7097164	1120095	stromal antigen 3	Stag3	114522	1,05	up
6484229	7097164	1120093	stromal antigen 3	Stag3	114522	1,33	down
6491104	7097164	1120110	stromal antigen 3	Stag3	114522	1,00	up
6491548	7097164	1120091	stromal antigen 3	Stag3	114522	1,06	up
6550838	7097164	1120104	stromal antigen 3	Stag3	114522	1,43	down
6564992	7097164	1120101	stromal antigen 3	Stag3	114522	1,65	down
6580437	7097164	1120112	stromal antigen 3	Stag3	114522	1,05	up
6595575	7097164	1120105	stromal antigen 3	Stag3	114522	1,41	up
6612338	7097164	1120116	stromal antigen 3	Stag3	114522	1,57	down
6618472	7097164	1120087	stromal antigen 3	Stag3	114522	1,34	down
6654153	7097164	1120089	stromal antigen 3	Stag3	114522	2,18	up
6654417	7097164	1120096	stromal antigen 3	Stag3	114522	1,09	down
5639056	7275103	1560190	structural maintenance of chromosomes 2	Smc2	362519	1,06	down
5670066	7275103	1560186	structural maintenance of chromosomes 2	Smc2	362519	1,20	down
5670269	7275103	1560209	structural maintenance of chromosomes 2	Smc2	362519	1,46	down
5678102	7275103	1560210	structural maintenance of chromosomes 2	Smc2	362519	1,69	down
5742496	7275103	1560196	structural maintenance of chromosomes 2	Smc2	362519	1,50	up
5771841	7275103	1560211	structural maintenance of chromosomes 2	Smc2	362519	1,09	up
5775926	7275103	1560203	structural maintenance of chromosomes 2	Smc2	362519	1,02	down
5811010	7275103	1560193	structural maintenance of chromosomes 2	Smc2	362519	1,44	down
5837661	7275103	1560211	structural maintenance of chromosomes 2	Smc2	362519	1,40	up
5905116	7275103	1560191	structural maintenance of chromosomes 2	Smc2	362519	1,58	up
5918350	7275103	1560202	structural maintenance of chromosomes 2	Smc2	362519	1,04	up
5949487	7275103	1560207	structural maintenance of chromosomes 2	Smc2	362519	1,20	up
6000366	7275103	1560199	structural maintenance of chromosomes 2	Smc2	362519	1,53	up

6111230	7275103	1560185	structural maintenance of chromosomes 2	Smc2	362519	1,14	up
6209820	7275103	1560189	structural maintenance of chromosomes 2	Smc2	362519	1,39	down
6211460	7275103	1560211	structural maintenance of chromosomes 2	Smc2	362519	2,16	down
6241505	7275103	1560208	structural maintenance of chromosomes 2	Smc2	362519	1,80	down
6245220	7275103	1560194	structural maintenance of chromosomes 2	Smc2	362519	1,26	up
6258800	7275103	1560187	structural maintenance of chromosomes 2	Smc2	362519	1,14	up
6300996	7275103	1560211	structural maintenance of chromosomes 2	Smc2	362519	1,30	down
6341325	7275103	1560201	structural maintenance of chromosomes 2	Smc2	362519	1,15	up
6369674	7275103	1560192	structural maintenance of chromosomes 2	Smc2	362519	1,41	up
6380739	7275103	1560197	structural maintenance of chromosomes 2	Smc2	362519	1,22	down
6555255	7275103	1560204	structural maintenance of chromosomes 2	Smc2	362519	1,16	up
6555778	7275103	1560188	structural maintenance of chromosomes 2	Smc2	362519	1,15	up
6605069	7275103	1560183	structural maintenance of chromosomes 2	Smc2	362519	1,13	down
6707647	7275103	1560198	structural maintenance of chromosomes 2	Smc2	362519	1,97	up
6735294	7275103	1560195	structural maintenance of chromosomes 2	Smc2	362519	1,32	down
5705830	7247976	1492459	sulfatase 2	Sulf2	311642	1,07	down
5730763	7247976	1492439	sulfatase 2	Sulf2	311642	1,08	down
5765938	7247976	1492463	sulfatase 2	Sulf2	311642	1,28	down
5860183	7247976	1492444	sulfatase 2	Sulf2	311642	1,04	down
6026029	7247976	1492446	sulfatase 2	Sulf2	311642	1,15	up
6068984	7247976	1492455	sulfatase 2	Sulf2	311642	1,19	down
6123746	7247976	1492433	sulfatase 2	Sulf2	311642	3,49	down
6131617	7247976	1492459	sulfatase 2	Sulf2	311642	1,47	up
6170483	7247976	1492437	sulfatase 2	Sulf2	311642	1,10	down
6226439	7247976	1492450	sulfatase 2	Sulf2	311642	2,25	up
6248092	7247976	1492443	sulfatase 2	Sulf2	311642	1,55	up
6413284	7247976	1492449	sulfatase 2	Sulf2	311642	1,33	up
6419988	7247976	1492432	sulfatase 2	Sulf2	311642	1,69	down
6478559	7247976	1492436	sulfatase 2	Sulf2	311642	1,25	up
6501702	7247976	1492445	sulfatase 2	Sulf2	311642	2,98	down
6511328	7247976	1492440	sulfatase 2	Sulf2	311642	1,38	down
6516278	7247976	1492442	sulfatase 2	Sulf2	311642	1,03	up
6573400	7247976	1492459	sulfatase 2	Sulf2	311642	1,13	up
6599361	7247976	1492434	sulfatase 2	Sulf2	311642	1,30	up
6602933	7247976	1492459	sulfatase 2	Sulf2	311642	1,10	down
6658468	7247976	1492438	sulfatase 2	Sulf2	311642	1,59	down
6661161	7247976	1492441	sulfatase 2	Sulf2	311642	1,52	up
6668379	7247976	1492431	sulfatase 2	Sulf2	311642	1,04	down
6712555	7247976	1492448	sulfatase 2	Sulf2	311642	1,54	down
5817132	7097829	1122051	sulfatase modifying factor 2	Sumf2	360800	1,10	down
5841003	7097829	1122054	sulfatase modifying factor 2	Sumf2	360800	1,06	down
5918087	7097829	1122050	sulfatase modifying factor 2	Sumf2	360800	1,26	down
5941377	7097829	1122057	sulfatase modifying factor 2	Sumf2	360800	1,30	up
6093135	7097829	1122055	sulfatase modifying factor 2	Sumf2	360800	1,02	down
6163818	7097829	1122057	sulfatase modifying factor 2	Sumf2	360800	1,35	up
6205867	7097829	1122052	sulfatase modifying factor 2	Sumf2	360800	2,40	down
6218066	7097829	1122053	sulfatase modifying factor 2	Sumf2	360800	1,32	down
6293547	7097829	1122056	sulfatase modifying factor 2	Sumf2	360800	1,51	up
5672886	7233921	1458153	sulfiredoxin 1 homolog (S. cerevisiae)	Srxn1	296271	1,69	up
5758221	7233921	1458152	sulfiredoxin 1 homolog (S. cerevisiae)	Srxn1	296271	1,48	up
6120458	7233921	1458154	sulfiredoxin 1 homolog (S. cerevisiae)	Srxn1	296271	1,32	up
6130489	7233921	1458151	sulfiredoxin 1 homolog (S. cerevisiae)	Srxn1	296271	1,13	down
6308929	7233921	1458151	sulfiredoxin 1 homolog (S. cerevisiae)	Srxn1	296271	1,47	down
6347095	7233921	1458151	sulfiredoxin 1 homolog (S. cerevisiae)	Srxn1	296271	1,56	up
5641120	7094920	1114881	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,08	up
5697306	7094920	1114884	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,08	down

5825663	7094920	1114886	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,07	down
5873484	7094920	1114890	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,32	up
5890215	7094920	1114887	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,09	down
5916006	7094920	1114889	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,03	up
6121726	7094920	1114892	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,46	up
6171027	7094920	1114882	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,00	up
6211787	7094920	1114885	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,13	up
6271838	7094920	1114891	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,09	down
6313659	7094920	1114878	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,04	up
6335048	7094920	1114893	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,23	down
6424624	7094920	1114894	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,00	down
6459163	7094920	1114889	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	2,59	up
6492689	7094920	1114879	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,21	down
6518085	7094920	1114883	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,15	up
6591489	7094920	1114888	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,15	up
6683830	7094920	1114880	SUMO1/sentrin/SMT3 specific peptidase 2	Senp2	78973	1,13	down
5687418	7343701	1729273	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,81	up
5715628	7343701	1729274	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,13	up
5738422	7343701	1729264	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,23	down
5742363	7343701	1729263	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,06	down
5824931	7343701	1729262	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,52	up
5864430	7343701	1729260	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,46	down
5887530	7343701	1729265	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,05	down
5928584	7343701	1729257	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,32	up
5964955	7343701	1729268	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,37	up
6000773	7343701	1729257	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,56	down
6016137	7343701	1729267	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,15	down
6030103	7343701	1729256	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	2,54	down
6038979	7343701	1729261	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,24	up
6209798	7343701	1729262	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,50	down
6246336	7343701	1729272	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,10	up
6288004	7343701	1729259	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,08	up
6359697	7343701	1729271	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,45	up
6484334	7343701	1729269	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,38	down
6514428	7343701	1729269	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,49	up
6515564	7343701	1729266	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,07	down
6611379	7343701	1729269	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,16	down
6679519	7343701	1729270	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,71	up
6685417	7343701	1729258	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,04	up
5744801	7197704	1369804	suppression of tumorigenicity 7-like	St7l	295344	2,54	up
5775393	7197704	1369807	suppression of tumorigenicity 7-like	St7l	295344	1,07	up
5778975	7197704	1369804	suppression of tumorigenicity 7-like	St7l	295344	1,39	down
5804807	7197704	1369811	suppression of tumorigenicity 7-like	St7l	295344	1,29	down
5998187	7197704	1369813	suppression of tumorigenicity 7-like	St7l	295344	1,01	down
6000278	7197704	1369817	suppression of tumorigenicity 7-like	St7l	295344	1,02	up
6090977	7197704	1369805	suppression of tumorigenicity 7-like	St7l	295344	1,09	up
6100987	7197704	1369818	suppression of tumorigenicity 7-like	St7l	295344	1,31	up
6208679	7197704	1369812	suppression of tumorigenicity 7-like	St7l	295344	1,23	up
6276163	7197704	1369808	suppression of tumorigenicity 7-like	St7l	295344	1,39	up
6335334	7197704	1369814	suppression of tumorigenicity 7-like	St7l	295344	1,07	down
6390199	7197704	1369815	suppression of tumorigenicity 7-like	St7l	295344	1,19	down
6609220	7197704	1369816	suppression of tumorigenicity 7-like	St7l	295344	1,06	down
6643343	7197704	1369810	suppression of tumorigenicity 7-like	St7l	295344	1,13	up
6655168	7197704	1369806	suppression of tumorigenicity 7-like	St7l	295344	1,14	down
6706878	7197704	1369809	suppression of tumorigenicity 7-like	St7l	295344	1,18	down
6739951	7197704	1369812	suppression of tumorigenicity 7-like	St7l	295344	1,18	up

5807110	7071714	1060366	suppressor of cytokine signaling 7	Socs7	287659	1,16	up
5895929	7098810	1124659	suppressor of defective silencing 3 homolog (S. cerevisiae)	Suds3	360819	1,58	down
6201282	7098810	1124659	suppressor of defective silencing 3 homolog (S. cerevisiae)	Suds3	360819	1,23	down
6209558	7098810	1124659	suppressor of defective silencing 3 homolog (S. cerevisiae)	Suds3	360819	1,15	up
6274978	7098810	1124659	suppressor of defective silencing 3 homolog (S. cerevisiae)	Suds3	360819	1,05	up
6350215	7098810	1124659	suppressor of defective silencing 3 homolog (S. cerevisiae)	Suds3	360819	1,02	up
5919499	7373658	1805808	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	1,65	up
6080130	7373658	1805797	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	2,12	down
6203905	7373658	1805801	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	1,40	down
6269086	7373658	1805797	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	1,16	down
6320510	7373658	1805809	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	1,09	up
6323039	7373658	1805800	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	1,26	up
6424141	7373658	1805807	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	1,30	up
6735360	7373658	1805809	suppressor of variegation 3-9 homolog 1 (Drosophila)	Suv39h1	302553	1,71	up
5737064	7160174	1275668	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	2,23	down
5739596	7160174	1275668	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,72	up
5751746	7160174	1275671	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,00	up
5874343	7160174	1275672	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,09	up
6132085	7160174	1275674	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,03	down
6192368	7160174	1275671	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,16	up
6359236	7160174	1275671	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,82	down
6423403	7160174	1275671	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,06	up
6446772	7160174	1275674	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,32	down
6561834	7160174	1275669	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,17	up
6641075	7160174	1275673	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	364785	1,01	down
5710921	7237053	1465961	surfeit 1	Surf1	64463	1,22	up
5957222	7237053	1465954	surfeit 1	Surf1	64463	1,06	up
5995498	7237053	1465957	surfeit 1	Surf1	64463	1,01	up
6049962	7237053	1465958	surfeit 1	Surf1	64463	1,11	down
6137534	7237053	1465962	surfeit 1	Surf1	64463	2,72	down
6332198	7237053	1465954	surfeit 1	Surf1	64463	1,28	down
6437704	7237053	1465956	surfeit 1	Surf1	64463	1,12	down
6534221	7237053	1465959	surfeit 1	Surf1	64463	1,27	up
6580245	7237053	1465955	surfeit 1	Surf1	64463	1,39	down
6614550	7237053	1465960	surfeit 1	Surf1	64463	1,14	up
6694302	7237053	1465962	surfeit 1	Surf1	64463	1,00	up
5693312	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,13	down
6045895	7063873	1040643	survival motor neuron domain containing 1	Smndc1	287768	1,17	up
6186202	7063873	1040653	survival motor neuron domain containing 1	Smndc1	287768	1,36	down
6221715	7063873	1040645	survival motor neuron domain containing 1	Smndc1	287768	2,02	up
6311525	7063873	1040644	survival motor neuron domain containing 1	Smndc1	287768	1,48	up
6441404	7063873	1040649	survival motor neuron domain containing 1	Smndc1	287768	1,41	up
6527328	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,16	up
6617154	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,10	down
6647506	7063873	1040646	survival motor neuron domain containing 1	Smndc1	287768	1,00	down
6732361	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,26	down
5759494	7156044	1265718	sushi domain containing 3	Susd3	306810	1,39	up
5807992	7156044	1265714	sushi domain containing 3	Susd3	306810	1,10	down
5880601	7156044	1265717	sushi domain containing 3	Susd3	306810	2,10	down
6128625	7156044	1265711	sushi domain containing 3	Susd3	306810	1,12	down
6202331	7156044	1265711	sushi domain containing 3	Susd3	306810	1,24	up
6261574	7156044	1265713	sushi domain containing 3	Susd3	306810	1,24	up
6491337	7156044	1265714	sushi domain containing 3	Susd3	306810	1,05	down
6592511	7156044	1265718	sushi domain containing 3	Susd3	306810	1,15	up
6602066	7156044	1265713	sushi domain containing 3	Susd3	306810	1,51	up
6639311	7156044	1265717	sushi domain containing 3	Susd3	306810	1,39	down

5743009	7357815	1764137	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,07	down
5756972	7357815	1764162	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,34	down
5767148	7357815	1764156	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,19	up
5834048	7357815	1764166	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,85	down
5897366	7357815	1764166	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,18	up
5938629	7357815	1764157	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,25	down
6022415	7357815	1764160	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,15	up
6042052	7357815	1764165	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,12	up
6104768	7357815	1764163	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,18	down
6131325	7357815	1764166	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,02	down
6168990	7357815	1764154	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,73	down
6254923	7357815	1764155	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,35	up
6289832	7357815	1764145	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,11	up
6315023	7357815	1764153	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,12	up
6339453	7357815	1764160	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,25	down
6353623	7357815	1764139	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,95	down
6364878	7357815	1764136	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,08	up
6403690	7357815	1764157	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,12	up
6410132	7357815	1764144	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,21	down
6438757	7357815	1764166	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,17	down
6440503	7357815	1764141	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,58	down
6466521	7357815	1764161	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,24	down
6466828	7357815	1764141	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,14	up
6477381	7357815	1764140	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,32	down
6547832	7357815	1764146	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,28	down
6588562	7357815	1764151	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,50	down
6596005	7357815	1764159	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,18	down
6640025	7357815	1764158	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,57	up
6642753	7357815	1764143	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,56	up
6686791	7357815	1764159	sushi, nidogen and EGF-like domains 1	Sned1	316638	2,45	up
6743188	7357815	1764146	sushi, nidogen and EGF-like domains 1	Sned1	316638	1,30	down
5740215	7035414	974473	SWAP-70 protein	Swap70	293410	1,13	down
6193956	7035414	974465	SWAP-70 protein	Swap70	293410	1,14	up
6197886	7035414	974463	SWAP-70 protein	Swap70	293410	2,30	down
6211812	7035414	974470	SWAP-70 protein	Swap70	293410	1,08	up
6243286	7035414	974472	SWAP-70 protein	Swap70	293410	1,35	down
6269025	7035414	974467	SWAP-70 protein	Swap70	293410	2,30	up
6304065	7035414	974469	SWAP-70 protein	Swap70	293410	1,12	up
6405054	7035414	974476	SWAP-70 protein	Swap70	293410	1,32	down
6439789	7035414	974474	SWAP-70 protein	Swap70	293410	1,38	up
6450595	7035414	974471	SWAP-70 protein	Swap70	293410	1,05	down
6459062	7035414	974475	SWAP-70 protein	Swap70	293410	1,11	down
6532372	7035414	974466	SWAP-70 protein	Swap70	293410	1,03	down
6577156	7035414	974468	SWAP-70 protein	Swap70	293410	2,07	up
5664788	7254405	1508664	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,51	up
5680774	7254405	1508655	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,07	up
5683318	7254405	1508659	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,04	up
5736055	7254405	1508663	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,51	down
5762080	7254405	1508658	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,03	up
5783452	7254405	1508665	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,12	up
5815753	7254405	1508671	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,51	down
5827430	7254405	1508660	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,22	up
5887397	7254405	1508648	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,08	up
5914910	7254405	1508643	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,51	down
6000751	7254405	1508645	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,11	up
6029605	7254405	1508671	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,20	down

6100555	7254405	1508655	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,20	up
6107620	7254405	1508668	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,04	down
6124191	7254405	1508670	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,17	down
6145216	7254405	1508649	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,08	down
6150685	7254405	1508640	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,86	down
6249629	7254405	1508662	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,06	up
6417248	7254405	1508651	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,07	down
6434238	7254405	1508659	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,14	up
6448402	7254405	1508667	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,06	up
6504941	7254405	1508667	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,23	up
6538653	7254405	1508647	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,36	down
6555148	7254405	1508669	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,22	down
6560383	7254405	1508661	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,12	down
6570266	7254405	1508666	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,71	up
6601374	7254405	1508644	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,36	up
6708847	7254405	1508658	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfa	Smarcad1	312398	1,07	down
5658745	7202618	1381748	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,62	up
5785540	7202618	1381742	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,54	up
5937610	7202618	1381737	synaptic vesicle glycoprotein 2c	Sv2c	29643	2,49	down
5965442	7202618	1381738	synaptic vesicle glycoprotein 2c	Sv2c	29643	2,04	down
6092027	7202618	1381748	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,14	up
6105529	7202618	1381746	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,45	up
6274088	7202618	1381739	synaptic vesicle glycoprotein 2c	Sv2c	29643	2,14	down
6284412	7202618	1381743	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,13	down
6483142	7202618	1381745	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,05	down
6485162	7202618	1381744	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,34	up
6591864	7202618	1381740	synaptic vesicle glycoprotein 2c	Sv2c	29643	2,22	down
6644343	7202618	1381747	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,78	up
6734879	7202618	1381741	synaptic vesicle glycoprotein 2c	Sv2c	29643	1,28	down
5626673	7026892	953668	synaptojanin 2	Synj2	84018	1,29	up
5634785	7026892	953655	synaptojanin 2	Synj2	84018	1,23	down
5687822	7026892	953669	synaptojanin 2	Synj2	84018	1,17	up
5691977	7026892	953660	synaptojanin 2	Synj2	84018	1,14	down
5741903	7026892	953666	synaptojanin 2	Synj2	84018	1,36	down
5811795	7026892	953646	synaptojanin 2	Synj2	84018	1,56	up
5829237	7026892	953663	synaptojanin 2	Synj2	84018	1,38	up
5838628	7026892	953672	synaptojanin 2	Synj2	84018	1,20	up
5840049	7026892	953665	synaptojanin 2	Synj2	84018	1,42	up
5960997	7026892	953670	synaptojanin 2	Synj2	84018	1,29	down
5965157	7026892	953656	synaptojanin 2	Synj2	84018	1,10	down
6062313	7026892	953646	synaptojanin 2	Synj2	84018	1,77	up
6125043	7026892	953651	synaptojanin 2	Synj2	84018	1,27	up
6142505	7026892	953653	synaptojanin 2	Synj2	84018	1,11	up
6163248	7026892	953647	synaptojanin 2	Synj2	84018	1,17	up
6163907	7026892	953659	synaptojanin 2	Synj2	84018	1,92	down
6164127	7026892	953654	synaptojanin 2	Synj2	84018	1,34	down
6199521	7026892	953672	synaptojanin 2	Synj2	84018	2,43	down
6200189	7026892	953648	synaptojanin 2	Synj2	84018	1,15	down
6217262	7026892	953647	synaptojanin 2	Synj2	84018	1,08	down
6219842	7026892	953649	synaptojanin 2	Synj2	84018	1,23	up
6254139	7026892	953671	synaptojanin 2	Synj2	84018	1,37	up
6261024	7026892	953662	synaptojanin 2	Synj2	84018	1,53	down
6275401	7026892	953671	synaptojanin 2	Synj2	84018	1,52	down
6295714	7026892	953658	synaptojanin 2	Synj2	84018	1,18	down
6344249	7026892	953661	synaptojanin 2	Synj2	84018	1,11	up
6361962	7026892	953667	synaptojanin 2	Synj2	84018	1,03	up

6390597	7026892	953672	synaptojanin 2	Synj2	84018	1,03	down
6495532	7026892	953657	synaptojanin 2	Synj2	84018	1,05	up
6519397	7026892	953652	synaptojanin 2	Synj2	84018	1,22	up
6622157	7026892	953650	synaptojanin 2	Synj2	84018	1,32	down
6649954	7026892	953650	synaptojanin 2	Synj2	84018	1,33	up
6673849	7026892	953664	synaptojanin 2	Synj2	84018	1,18	down
5654427	7248683	1494138	synaptonemal complex protein 2	Sycp2	83820	1,38	down
5659786	7248683	1494112	synaptonemal complex protein 2	Sycp2	83820	1,05	down
5665537	7248683	1494115	synaptonemal complex protein 2	Sycp2	83820	1,07	up
5673412	7248683	1494140	synaptonemal complex protein 2	Sycp2	83820	1,40	down
5703407	7248683	1494130	synaptonemal complex protein 2	Sycp2	83820	1,10	down
5711048	7248683	1494118	synaptonemal complex protein 2	Sycp2	83820	1,22	down
5732512	7248683	1494127	synaptonemal complex protein 2	Sycp2	83820	1,12	up
5763938	7248683	1494135	synaptonemal complex protein 2	Sycp2	83820	1,55	up
5776570	7248683	1494133	synaptonemal complex protein 2	Sycp2	83820	1,15	down
5801630	7248683	1494119	synaptonemal complex protein 2	Sycp2	83820	1,26	down
5822588	7248683	1494139	synaptonemal complex protein 2	Sycp2	83820	1,15	down
5831528	7248683	1494142	synaptonemal complex protein 2	Sycp2	83820	1,20	down
5834349	7248683	1494147	synaptonemal complex protein 2	Sycp2	83820	1,79	up
5924699	7248683	1494110	synaptonemal complex protein 2	Sycp2	83820	1,20	up
5951883	7248683	1494120	synaptonemal complex protein 2	Sycp2	83820	1,33	down
5969498	7248683	1494148	synaptonemal complex protein 2	Sycp2	83820	1,14	up
5982495	7248683	1494132	synaptonemal complex protein 2	Sycp2	83820	1,01	down
6035072	7248683	1494109	synaptonemal complex protein 2	Sycp2	83820	1,07	up
6051506	7248683	1494108	synaptonemal complex protein 2	Sycp2	83820	1,20	up
6080656	7248683	1494111	synaptonemal complex protein 2	Sycp2	83820	1,17	up
6118008	7248683	1494117	synaptonemal complex protein 2	Sycp2	83820	1,60	down
6123550	7248683	1494122	synaptonemal complex protein 2	Sycp2	83820	1,09	down
6155978	7248683	1494106	synaptonemal complex protein 2	Sycp2	83820	1,04	up
6163152	7248683	1494113	synaptonemal complex protein 2	Sycp2	83820	1,11	down
6184378	7248683	1494131	synaptonemal complex protein 2	Sycp2	83820	1,38	down
6228263	7248683	1494136	synaptonemal complex protein 2	Sycp2	83820	1,26	down
6253799	7248683	1494124	synaptonemal complex protein 2	Sycp2	83820	1,07	up
6283122	7248683	1494107	synaptonemal complex protein 2	Sycp2	83820	1,12	down
6370348	7248683	1494141	synaptonemal complex protein 2	Sycp2	83820	1,32	down
6370524	7248683	1494126	synaptonemal complex protein 2	Sycp2	83820	1,06	up
6391561	7248683	1494125	synaptonemal complex protein 2	Sycp2	83820	1,10	down
6418997	7248683	1494137	synaptonemal complex protein 2	Sycp2	83820	1,10	down
6451601	7248683	1494144	synaptonemal complex protein 2	Sycp2	83820	1,73	down
6459673	7248683	1494143	synaptonemal complex protein 2	Sycp2	83820	1,97	down
6478443	7248683	1494116	synaptonemal complex protein 2	Sycp2	83820	2,63	down
6523921	7248683	1494129	synaptonemal complex protein 2	Sycp2	83820	1,07	up
6550080	7248683	1494145	synaptonemal complex protein 2	Sycp2	83820	1,11	up
6557424	7248683	1494128	synaptonemal complex protein 2	Sycp2	83820	1,11	up
6584271	7248683	1494106	synaptonemal complex protein 2	Sycp2	83820	1,12	up
6598669	7248683	1494123	synaptonemal complex protein 2	Sycp2	83820	1,26	down
6632191	7248683	1494148	synaptonemal complex protein 2	Sycp2	83820	1,02	down
6633720	7248683	1494114	synaptonemal complex protein 2	Sycp2	83820	1,25	down
6683481	7248683	1494134	synaptonemal complex protein 2	Sycp2	83820	1,03	down
6703329	7248683	1494121	synaptonemal complex protein 2	Sycp2	83820	1,11	up
6714431	7248683	1494112	synaptonemal complex protein 2	Sycp2	83820	1,16	up
6744412	7248683	1494146	synaptonemal complex protein 2	Sycp2	83820	1,97	down
5705764	7129841	1200829	synaptopodin 2-like	Synpo2l	305675	1,43	up
5649475	7174110	1310411	synaptotagmin IV	Syt4	64440	1,07	up
5677183	7174110	1310416	synaptotagmin IV	Syt4	64440	1,23	up
5728099	7174110	1310413	synaptotagmin IV	Syt4	64440	1,08	down

5740779	7174110	1310412	synaptotagmin IV	Syt4	64440	1,17	up
5769122	7174110	1310415	synaptotagmin IV	Syt4	64440	1,00	down
6084329	7174110	1310416	synaptotagmin IV	Syt4	64440	2,38	up
6434277	7174110	1310413	synaptotagmin IV	Syt4	64440	1,31	down
6536263	7174110	1310414	synaptotagmin IV	Syt4	64440	1,15	down
6540850	7174110	1310414	synaptotagmin IV	Syt4	64440	1,02	down
6706854	7174110	1310413	synaptotagmin IV	Syt4	64440	1,21	down
5651626	7028619	957976	synaptotagmin V	Syt5	54309	1,51	up
5680439	7028619	957985	synaptotagmin V	Syt5	54309	1,17	up
5828007	7028619	957984	synaptotagmin V	Syt5	54309	1,02	down
5966542	7028619	957978	synaptotagmin V	Syt5	54309	1,16	down
6078128	7028619	957986	synaptotagmin V	Syt5	54309	1,08	up
6088580	7028619	957975	synaptotagmin V	Syt5	54309	2,30	up
6179968	7028619	957983	synaptotagmin V	Syt5	54309	1,07	up
6185886	7028619	957980	synaptotagmin V	Syt5	54309	1,51	down
6216606	7028619	957981	synaptotagmin V	Syt5	54309	1,14	up
6221204	7028619	957979	synaptotagmin V	Syt5	54309	1,14	down
6291193	7028619	957977	synaptotagmin V	Syt5	54309	1,26	up
6341069	7028619	957985	synaptotagmin V	Syt5	54309	1,01	down
6381624	7028619	957982	synaptotagmin V	Syt5	54309	1,39	down
5679224	7039661	984695	synaptotagmin VII	Syt7	59267	1,20	down
5870462	7039661	984697	synaptotagmin VII	Syt7	59267	1,08	down
5973671	7039661	984692	synaptotagmin VII	Syt7	59267	1,87	down
5985935	7039661	984702	synaptotagmin VII	Syt7	59267	1,20	down
6057075	7039661	984693	synaptotagmin VII	Syt7	59267	1,25	up
6073392	7039661	984689	synaptotagmin VII	Syt7	59267	1,28	up
6077327	7039661	984694	synaptotagmin VII	Syt7	59267	1,20	up
6105562	7039661	984700	synaptotagmin VII	Syt7	59267	1,20	down
6146647	7039661	984695	synaptotagmin VII	Syt7	59267	1,24	up
6150026	7039661	984691	synaptotagmin VII	Syt7	59267	1,02	up
6184010	7039661	984695	synaptotagmin VII	Syt7	59267	1,25	up
6184610	7039661	984695	synaptotagmin VII	Syt7	59267	1,17	up
6259652	7039661	984690	synaptotagmin VII	Syt7	59267	1,28	up
6286453	7039661	984698	synaptotagmin VII	Syt7	59267	1,03	down
6431019	7039661	984688	synaptotagmin VII	Syt7	59267	1,43	up
6467367	7039661	984694	synaptotagmin VII	Syt7	59267	1,16	up
6610804	7039661	984696	synaptotagmin VII	Syt7	59267	1,32	down
6632111	7039661	984701	synaptotagmin VII	Syt7	59267	1,15	down
6673640	7039661	984699	synaptotagmin VII	Syt7	59267	1,30	down
5920219	7059567	1030507	synaptotagmin XII	Syt12	191595	1,06	up
6263801	7059567	1030509	synaptotagmin XII	Syt12	191595	1,55	down
6365718	7059567	1030504	synaptotagmin XII	Syt12	191595	1,02	up
6409190	7059567	1030506	synaptotagmin XII	Syt12	191595	1,70	up
6608600	7059567	1030505	synaptotagmin XII	Syt12	191595	1,09	up
6609250	7059567	1030503	synaptotagmin XII	Syt12	191595	1,77	down
6680398	7059567	1030508	synaptotagmin XII	Syt12	191595	2,01	up
5669540	7200490	1376783	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,05	down
5669859	7200490	1376794	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,36	down
5712936	7200490	1376782	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,06	down
5775794	7200490	1376783	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	2,06	down
5776010	7200490	1376791	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,03	up
5813968	7200490	1376781	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,36	down
5852078	7200490	1376784	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,10	up
6029062	7200490	1376792	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,16	up
6063956	7200490	1376795	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,19	down
6207039	7200490	1376790	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,09	down

6274741	7200490	1376788	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,53	up
6312023	7200490	1376782	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,14	up
6346129	7200490	1376785	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,78	up
6501200	7200490	1376786	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,60	up
6544616	7200490	1376787	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,05	up
6556347	7200490	1376789	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,30	up
6689546	7200490	1376794	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,42	up
6706113	7200490	1376793	synovial sarcoma, X breakpoint 2 interacting protein	Ssx2ip	308023	1,26	up
5639440	7246570	1489214	syntaphilin	Snph	296267	1,04	up
5711181	7246570	1489229	syntaphilin	Snph	296267	1,04	down
5720339	7246570	1489218	syntaphilin	Snph	296267	1,12	up
5761801	7246570	1489215	syntaphilin	Snph	296267	1,25	down
5809878	7246570	1489215	syntaphilin	Snph	296267	1,39	down
5878933	7246570	1489213	syntaphilin	Snph	296267	2,42	down
6207863	7246570	1489214	syntaphilin	Snph	296267	1,18	down
6259069	7246570	1489214	syntaphilin	Snph	296267	1,09	up
6273404	7246570	1489230	syntaphilin	Snph	296267	1,13	up
6364523	7246570	1489216	syntaphilin	Snph	296267	1,10	up
6551214	7246570	1489217	syntaphilin	Snph	296267	1,07	up
5650293	7103490	1136342	syntaxin 1A (brain)	Stx1a	116470	1,06	down
5782938	7103490	1136340	syntaxin 1A (brain)	Stx1a	116470	1,31	up
5792768	7103490	1136337	syntaxin 1A (brain)	Stx1a	116470	1,07	down
5900870	7103490	1136343	syntaxin 1A (brain)	Stx1a	116470	1,01	down
5989906	7103490	1136344	syntaxin 1A (brain)	Stx1a	116470	2,50	down
6196243	7103490	1136341	syntaxin 1A (brain)	Stx1a	116470	1,36	up
6259715	7103490	1136335	syntaxin 1A (brain)	Stx1a	116470	1,10	down
6290081	7103490	1136335	syntaxin 1A (brain)	Stx1a	116470	1,38	up
6392895	7103490	1136338	syntaxin 1A (brain)	Stx1a	116470	1,00	down
6523065	7103490	1136339	syntaxin 1A (brain)	Stx1a	116470	1,34	down
6666607	7103490	1136336	syntaxin 1A (brain)	Stx1a	116470	1,19	up
5621383	7057600	1026060	syntaxin 1B	Stx1b	24923	1,25	up
5658872	7057600	1026067	syntaxin 1B	Stx1b	24923	1,11	up
5772719	7057600	1026071	syntaxin 1B	Stx1b	24923	1,18	down
5806818	7057600	1026060	syntaxin 1B	Stx1b	24923	1,58	up
5835572	7057600	1026058	syntaxin 1B	Stx1b	24923	1,02	up
6020637	7057600	1026069	syntaxin 1B	Stx1b	24923	1,36	down
6052904	7057600	1026068	syntaxin 1B	Stx1b	24923	2,08	down
6328437	7057600	1026063	syntaxin 1B	Stx1b	24923	1,01	up
6337824	7057600	1026061	syntaxin 1B	Stx1b	24923	1,62	down
6394331	7057600	1026062	syntaxin 1B	Stx1b	24923	1,29	down
6400077	7057600	1026066	syntaxin 1B	Stx1b	24923	1,03	down
6421194	7057600	1026059	syntaxin 1B	Stx1b	24923	1,22	up
6424361	7057600	1026058	syntaxin 1B	Stx1b	24923	1,03	up
6476612	7057600	1026070	syntaxin 1B	Stx1b	24923	1,05	down
6668406	7057600	1026064	syntaxin 1B	Stx1b	24923	1,08	down
6698824	7057600	1026065	syntaxin 1B	Stx1b	24923	1,01	up
5652334	7327650	1689734	syntrophin, basic 1	Sntb1	299940	1,14	up
5806279	7327650	1689684	syntrophin, basic 1	Sntb1	299940	2,38	up
6047718	7327650	1689719	syntrophin, basic 1	Sntb1	299940	1,01	down
6253582	7327650	1689707	syntrophin, basic 1	Sntb1	299940	1,13	down
6271527	7327650	1689696	syntrophin, basic 1	Sntb1	299940	1,22	down
6279780	7327650	1689686	syntrophin, basic 1	Sntb1	299940	1,29	down
6573615	7327650	1689682	syntrophin, basic 1	Sntb1	299940	1,22	up
6673771	7327650	1689734	syntrophin, basic 1	Sntb1	299940	1,04	up
6694033	7327650	1689734	syntrophin, basic 1	Sntb1	299940	1,17	down
5632498	7272110	1553051	syntrophin, gamma 1	Sntg1	500394	1,01	up

5641272	7272110	1553047	syntrophin, gamma 1	Sntg1	500394	1,07	down
5752533	7272110	1553084	syntrophin, gamma 1	Sntg1	500394	1,02	up
5920232	7272110	1553051	syntrophin, gamma 1	Sntg1	500394	1,19	up
6083973	7272110	1553058	syntrophin, gamma 1	Sntg1	500394	1,25	up
6270383	7272110	1553057	syntrophin, gamma 1	Sntg1	500394	1,06	down
6344148	7272110	1553056	syntrophin, gamma 1	Sntg1	500394	1,13	down
6398323	7272110	1553063	syntrophin, gamma 1	Sntg1	500394	1,02	up
6530098	7272110	1553084	syntrophin, gamma 1	Sntg1	500394	1,35	down
6547094	7272110	1553059	syntrophin, gamma 1	Sntg1	500394	1,18	down
6711022	7272110	1553084	syntrophin, gamma 1	Sntg1	500394	1,24	down
5713029	7199454	1374487	tachykinin receptor 3	Tacr3	24808	1,03	up
5737986	7199454	1374488	tachykinin receptor 3	Tacr3	24808	1,46	down
5765619	7199454	1374486	tachykinin receptor 3	Tacr3	24808	1,00	up
5882244	7199454	1374487	tachykinin receptor 3	Tacr3	24808	1,12	down
6002131	7199454	1374483	tachykinin receptor 3	Tacr3	24808	1,10	down
6219725	7199454	1374484	tachykinin receptor 3	Tacr3	24808	1,41	up
6302395	7199454	1374484	tachykinin receptor 3	Tacr3	24808	2,14	down
6405506	7199454	1374485	tachykinin receptor 3	Tacr3	24808	1,60	up
6742113	7199454	1374483	tachykinin receptor 3	Tacr3	24808	1,20	down
5642695	7070461	1057364	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,03	up
5688977	7070461	1057365	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,29	up
5807497	7070461	1057373	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,16	down
5827714	7070461	1057361	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,32	up
5889768	7070461	1057379	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	2,35	down
6094413	7070461	1057368	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,14	down
6101128	7070461	1057379	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,46	down
6153527	7070461	1057371	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,27	up
6223920	7070461	1057375	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,26	down
6267226	7070461	1057363	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,13	up
6298027	7070461	1057378	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,30	down
6369883	7070461	1057374	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,41	up
6400422	7070461	1057370	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,14	up
6630090	7070461	1057376	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,24	down
6687688	7070461	1057367	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,31	up
6723004	7070461	1057366	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,22	up
6728988	7070461	1057372	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,15	down
5713860	7100976	1129883	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,20	down
5766096	7100976	1129881	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,04	up
5806830	7100976	1129872	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,61	down
5891659	7100976	1129877	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,12	up
5926718	7100976	1129884	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,20	up
6005487	7100976	1129872	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,12	up
6022033	7100976	1129874	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,08	down
6043381	7100976	1129880	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	2,28	down
6057949	7100976	1129873	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,19	up
6092783	7100976	1129876	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,01	up
6204750	7100976	1129885	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,10	up
6356235	7100976	1129872	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,35	up
6383876	7100976	1129878	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,31	down
6398545	7100976	1129882	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,38	up
6408814	7100976	1129879	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,17	down
6418470	7100976	1129875	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,08	down
6636673	7100976	1129885	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf6	288533	1,01	down
5679554	7060195	1031963	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,04	down
5815983	7060195	1031971	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,20	up
5834253	7060195	1031964	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,27	up

5850082	7060195	1031962	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,45	down
5955868	7060195	1031961	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,46	down
5976992	7060195	1031974	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,48	down
6052676	7060195	1031965	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,42	down
6142287	7060195	1031961	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,05	down
6240223	7060195	1031968	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,33	up
6267510	7060195	1031969	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,13	up
6369199	7060195	1031970	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,23	up
6456227	7060195	1031967	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	2,77	up
6538554	7060195	1031966	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,17	up
6708918	7060195	1031961	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated fac	Taf6l	309194	1,58	down
5856084	7188899	1346781	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,13	up
5864738	7188899	1346783	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,05	up
6052712	7188899	1346783	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	2,33	down
6284653	7188899	1346783	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,19	down
6289380	7188899	1346784	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,13	down
6379047	7188899	1346787	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,87	up
6457270	7188899	1346783	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,32	up
6528414	7188899	1346785	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,10	down
6586672	7188899	1346782	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,03	down
6698516	7188899	1346786	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf9	373541	1,12	up
5631388	7146245	1241376	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,20	up
5632161	7146245	1241337	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	2,27	down
5636915	7146245	1241360	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,05	down
5647188	7146245	1241341	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,06	up
5735660	7146245	1241357	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,24	up
5763022	7146245	1241337	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,04	up
5767210	7146245	1241366	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,07	down
5809916	7146245	1241348	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,41	down
5847473	7146245	1241371	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,33	up
5855453	7146245	1241365	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,10	down
5870040	7146245	1241369	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,07	down
5874519	7146245	1241372	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,03	up
5883608	7146245	1241354	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,15	up
6029628	7146245	1241337	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,15	up
6053305	7146245	1241364	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,00	down
6060382	7146245	1241367	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,23	up
6180088	7146245	1241375	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,24	up
6255803	7146245	1241355	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,08	down
6352863	7146245	1241349	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,17	down
6360698	7146245	1241361	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,15	up
6457849	7146245	1241370	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,10	up
6556964	7146245	1241353	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,12	up
6577335	7146245	1241343	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,00	down
6580025	7146245	1241338	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,10	up
6587068	7146245	1241359	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,18	up
6680137	7146245	1241363	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,15	up
6687546	7146245	1241368	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,26	up
6688229	7146245	1241358	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,01	up
6724457	7146245	1241341	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,12	up
6733512	7146245	1241356	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,21	down
5650489	7057365	1025710	TAO kinase 2	Taok2	64666	1,11	up
5675421	7057365	1025701	TAO kinase 2	Taok2	64666	1,29	up
5683009	7057365	1025696	TAO kinase 2	Taok2	64666	1,04	down
5703558	7057365	1025696	TAO kinase 2	Taok2	64666	1,10	down
5717104	7057365	1025700	TAO kinase 2	Taok2	64666	1,16	up

5819985	7057365	1025699	TAO kinase 2	Taok2	64666	1,01	up
5839017	7057365	1025710	TAO kinase 2	Taok2	64666	2,09	up
5885815	7057365	1025696	TAO kinase 2	Taok2	64666	1,13	up
5951514	7057365	1025696	TAO kinase 2	Taok2	64666	1,04	up
6024406	7057365	1025705	TAO kinase 2	Taok2	64666	1,34	down
6026280	7057365	1025706	TAO kinase 2	Taok2	64666	1,06	down
6096832	7057365	1025696	TAO kinase 2	Taok2	64666	1,00	up
6143908	7057365	1025704	TAO kinase 2	Taok2	64666	1,16	down
6153709	7057365	1025708	TAO kinase 2	Taok2	64666	1,03	down
6197038	7057365	1025696	TAO kinase 2	Taok2	64666	2,51	down
6234653	7057365	1025709	TAO kinase 2	Taok2	64666	1,06	down
6262324	7057365	1025707	TAO kinase 2	Taok2	64666	1,05	down
6292712	7057365	1025698	TAO kinase 2	Taok2	64666	1,14	up
6364543	7057365	1025702	TAO kinase 2	Taok2	64666	1,09	up
6426183	7057365	1025696	TAO kinase 2	Taok2	64666	1,10	up
6436259	7057365	1025696	TAO kinase 2	Taok2	64666	1,11	down
6452384	7057365	1025700	TAO kinase 2	Taok2	64666	1,05	up
6496229	7057365	1025703	TAO kinase 2	Taok2	64666	1,15	down
6507826	7057365	1025696	TAO kinase 2	Taok2	64666	1,22	up
6520033	7057365	1025696	TAO kinase 2	Taok2	64666	1,13	down
6585674	7057365	1025711	TAO kinase 2	Taok2	64666	1,19	down
6608256	7057365	1025700	TAO kinase 2	Taok2	64666	1,00	down
6684516	7057365	1025697	TAO kinase 2	Taok2	64666	1,08	down
6701597	7057365	1025696	TAO kinase 2	Taok2	64666	1,18	down
5706447	7269637	1546241	TAP binding protein-like	Tapbpl	297602	1,62	up
5969037	7269637	1546244	TAP binding protein-like	Tapbpl	297602	4,89	down
6291763	7269637	1546238	TAP binding protein-like	Tapbpl	297602	1,89	up
6396412	7269637	1546240	TAP binding protein-like	Tapbpl	297602	1,82	up
6500547	7269637	1546244	TAP binding protein-like	Tapbpl	297602	2,47	down
6538593	7269637	1546237	TAP binding protein-like	Tapbpl	297602	1,01	up
6598106	7269637	1546239	TAP binding protein-like	Tapbpl	297602	1,19	up
6627381	7269637	1546242	TAP binding protein-like	Tapbpl	297602	1,96	up
6638851	7269637	1546237	TAP binding protein-like	Tapbpl	297602	1,72	up
6738829	7269637	1546244	TAP binding protein-like	Tapbpl	297602	2,41	down
5626121	7293076	1603970	TAR DNA binding protein	Tardbp	298648	1,02	down
5702718	7293076	1603971	TAR DNA binding protein	Tardbp	298648	1,06	up
5846319	7293076	1603969	TAR DNA binding protein	Tardbp	298648	1,04	down
5862358	7293076	1603975	TAR DNA binding protein	Tardbp	298648	1,06	up
6082906	7293076	1603969	TAR DNA binding protein	Tardbp	298648	1,14	down
6296518	7293076	1603968	TAR DNA binding protein	Tardbp	298648	1,18	up
6349350	7293076	1603973	TAR DNA binding protein	Tardbp	298648	1,09	down
6486948	7293076	1603971	TAR DNA binding protein	Tardbp	298648	1,04	down
6489853	7293076	1603974	TAR DNA binding protein	Tardbp	298648	1,07	up
6544143	7293076	1603974	TAR DNA binding protein	Tardbp	298648	1,07	up
6618842	7293076	1603970	TAR DNA binding protein	Tardbp	298648	1,11	down
6643923	7293076	1603969	TAR DNA binding protein	Tardbp	298648	2,21	down
6708526	7293076	1603972	TAR DNA binding protein	Tardbp	298648	1,10	up
5855367	7293454	1604952	taste receptor, type 1, member 1	Tas1r1	29407	2,11	down
5856085	7293454	1604953	taste receptor, type 1, member 1	Tas1r1	29407	2,01	down
5857903	7293454	1604948	taste receptor, type 1, member 1	Tas1r1	29407	1,14	up
6062479	7293454	1604956	taste receptor, type 1, member 1	Tas1r1	29407	1,03	down
6081991	7293454	1604949	taste receptor, type 1, member 1	Tas1r1	29407	1,17	down
6287149	7293454	1604954	taste receptor, type 1, member 1	Tas1r1	29407	1,15	up
6308037	7293454	1604949	taste receptor, type 1, member 1	Tas1r1	29407	1,15	up
6387923	7293454	1604955	taste receptor, type 1, member 1	Tas1r1	29407	1,14	down
6561276	7293454	1604956	taste receptor, type 1, member 1	Tas1r1	29407	1,03	up

6584132	7293454	1604948	taste receptor, type 1, member 1	Tas1r1	29407	1,29	up
6584291	7293454	1604949	taste receptor, type 1, member 1	Tas1r1	29407	1,20	up
5621275	7186130	1340566	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,21	up
5621591	7186130	1340570	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,62	up
5624083	7186130	1340564	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,13	down
5635014	7186130	1340573	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,03	up
5637228	7186130	1340562	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,33	up
5672705	7186130	1340573	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	2,70	down
5715079	7186130	1340560	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,03	down
5730583	7186130	1340560	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,15	up
5748965	7186130	1340571	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,06	down
5867054	7186130	1340566	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,03	up
5899547	7186130	1340560	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,10	up
5982239	7186130	1340572	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,85	up
5983443	7186130	1340573	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,28	down
6059625	7186130	1340565	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,32	up
6122704	7186130	1340563	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,05	down
6364848	7186130	1340561	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,20	down
6379763	7186130	1340563	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,12	down
6479137	7186130	1340569	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,03	up
6558739	7186130	1340567	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,19	up
6565535	7186130	1340568	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,58	up
6585256	7186130	1340559	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,48	down
5676762	7333111	1702858	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,09	down
5787954	7333111	1702858	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,37	up
5886411	7333111	1702862	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	2,20	down
5932399	7333111	1702855	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,39	up
6076539	7333111	1702861	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,38	down
6088885	7333111	1702859	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,05	up
6128057	7333111	1702856	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,09	down
6216929	7333111	1702860	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,50	up
6240958	7333111	1702854	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,30	up
6275679	7333111	1702853	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,37	up
6283230	7333111	1702857	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,23	up
6283975	7333111	1702863	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Taf1d	363017	1,19	down
5779793	7236597	1464775	TATA box binding protein-like 2	Tbpl2	680050	2,18	down
5833241	7236597	1464777	TATA box binding protein-like 2	Tbpl2	680050	1,23	up
5977394	7236597	1464780	TATA box binding protein-like 2	Tbpl2	680050	1,01	up
6271804	7236597	1464778	TATA box binding protein-like 2	Tbpl2	680050	1,05	down
6548411	7236597	1464774	TATA box binding protein-like 2	Tbpl2	680050	1,05	up
6577040	7236597	1464779	TATA box binding protein-like 2	Tbpl2	680050	1,00	up
6687201	7236597	1464781	TATA box binding protein-like 2	Tbpl2	680050	1,47	down
6708513	7236597	1464775	TATA box binding protein-like 2	Tbpl2	680050	1,78	down
6720502	7236597	1464780	TATA box binding protein-like 2	Tbpl2	680050	1,39	up
5661115	7371253	1799592	TBC1 domain family, member 16	Tbc1d16	303734	2,37	down
5696430	7371253	1799570	TBC1 domain family, member 16	Tbc1d16	303734	1,09	up
5751721	7371253	1799568	TBC1 domain family, member 16	Tbc1d16	303734	1,19	down
5831074	7371253	1799574	TBC1 domain family, member 16	Tbc1d16	303734	1,28	down
5893527	7371253	1799594	TBC1 domain family, member 16	Tbc1d16	303734	1,10	up
5923786	7371253	1799567	TBC1 domain family, member 16	Tbc1d16	303734	1,26	up
5934100	7371253	1799572	TBC1 domain family, member 16	Tbc1d16	303734	1,09	down
6228417	7371253	1799593	TBC1 domain family, member 16	Tbc1d16	303734	1,03	up
6330199	7371253	1799575	TBC1 domain family, member 16	Tbc1d16	303734	1,47	down
6419400	7371253	1799562	TBC1 domain family, member 16	Tbc1d16	303734	1,56	down
6452059	7371253	1799564	TBC1 domain family, member 16	Tbc1d16	303734	1,55	up
6587670	7371253	1799571	TBC1 domain family, member 16	Tbc1d16	303734	1,13	down

5701241	7050726	1011267	TBC1 domain family, member 17	Tbc1d17	292886	1,13	up
5811007	7050726	1011257	TBC1 domain family, member 17	Tbc1d17	292886	2,07	down
5887629	7050726	1011263	TBC1 domain family, member 17	Tbc1d17	292886	1,12	down
5895747	7050726	1011256	TBC1 domain family, member 17	Tbc1d17	292886	1,22	up
5935318	7050726	1011261	TBC1 domain family, member 17	Tbc1d17	292886	1,04	down
6122848	7050726	1011269	TBC1 domain family, member 17	Tbc1d17	292886	1,07	down
6179805	7050726	1011259	TBC1 domain family, member 17	Tbc1d17	292886	1,11	down
6180331	7050726	1011258	TBC1 domain family, member 17	Tbc1d17	292886	1,10	up
6217171	7050726	1011260	TBC1 domain family, member 17	Tbc1d17	292886	1,59	down
6323323	7050726	1011258	TBC1 domain family, member 17	Tbc1d17	292886	1,00	down
6360886	7050726	1011262	TBC1 domain family, member 17	Tbc1d17	292886	1,02	down
6364597	7050726	1011266	TBC1 domain family, member 17	Tbc1d17	292886	1,14	up
6393011	7050726	1011265	TBC1 domain family, member 17	Tbc1d17	292886	1,17	up
6467220	7050726	1011268	TBC1 domain family, member 17	Tbc1d17	292886	1,27	up
6706738	7050726	1011264	TBC1 domain family, member 17	Tbc1d17	292886	1,36	down
6721723	7050726	1011260	TBC1 domain family, member 17	Tbc1d17	292886	1,14	down
6743882	7050726	1011255	TBC1 domain family, member 17	Tbc1d17	292886	1,02	down
5732981	7087492	1096708	TBC1 domain family, member 23	Tbc1d23	304019	1,08	up
5813631	7087492	1096710	TBC1 domain family, member 23	Tbc1d23	304019	1,19	down
6101508	7087492	1096711	TBC1 domain family, member 23	Tbc1d23	304019	1,11	down
6200349	7087492	1096707	TBC1 domain family, member 23	Tbc1d23	304019	1,11	up
6202808	7087492	1096712	TBC1 domain family, member 23	Tbc1d23	304019	2,19	down
6275056	7087492	1096712	TBC1 domain family, member 23	Tbc1d23	304019	1,55	up
6303766	7087492	1096712	TBC1 domain family, member 23	Tbc1d23	304019	1,48	down
6352247	7087492	1096710	TBC1 domain family, member 23	Tbc1d23	304019	1,45	down
6491159	7087492	1096709	TBC1 domain family, member 23	Tbc1d23	304019	1,49	down
5726798	7325674	1685216	TBC1 domain family, member 30	Tbc1d30	299824	1,26	down
5649319	7082041	1084011	TBK1 binding protein 1	Tbkbp1	266764	1,00	down
5739030	7082041	1084009	TBK1 binding protein 1	Tbkbp1	266764	1,15	up
5843980	7082041	1084009	TBK1 binding protein 1	Tbkbp1	266764	2,80	down
5905817	7082041	1084014	TBK1 binding protein 1	Tbkbp1	266764	1,25	up
5950676	7082041	1084015	TBK1 binding protein 1	Tbkbp1	266764	1,35	up
6026099	7082041	1084017	TBK1 binding protein 1	Tbkbp1	266764	1,86	up
6036870	7082041	1084018	TBK1 binding protein 1	Tbkbp1	266764	1,32	down
6205606	7082041	1084011	TBK1 binding protein 1	Tbkbp1	266764	1,09	down
6212298	7082041	1084017	TBK1 binding protein 1	Tbkbp1	266764	2,11	up
6228764	7082041	1084013	TBK1 binding protein 1	Tbkbp1	266764	1,47	up
6245821	7082041	1084018	TBK1 binding protein 1	Tbkbp1	266764	1,76	down
6262768	7082041	1084018	TBK1 binding protein 1	Tbkbp1	266764	1,81	down
6421691	7082041	1084016	TBK1 binding protein 1	Tbkbp1	266764	1,61	up
6449577	7082041	1084010	TBK1 binding protein 1	Tbkbp1	266764	1,70	up
6592498	7082041	1084012	TBK1 binding protein 1	Tbkbp1	266764	1,25	down
6732584	7082041	1084019	TBK1 binding protein 1	Tbkbp1	266764	1,85	down
5706999	7089762	1102996	T-box 1	Tbx1	360737	1,25	down
5717285	7089762	1102988	T-box 1	Tbx1	360737	1,03	up
6011060	7089762	1102984	T-box 1	Tbx1	360737	1,15	up
6100655	7089762	1102993	T-box 1	Tbx1	360737	1,02	up
6229933	7089762	1102994	T-box 1	Tbx1	360737	2,27	down
6273576	7089762	1102995	T-box 1	Tbx1	360737	1,36	down
6303127	7089762	1102989	T-box 1	Tbx1	360737	1,22	up
6410151	7089762	1102992	T-box 1	Tbx1	360737	1,11	down
6418681	7089762	1102986	T-box 1	Tbx1	360737	1,00	up
6442442	7089762	1102988	T-box 1	Tbx1	360737	1,12	down
6451407	7089762	1102996	T-box 1	Tbx1	360737	1,14	up
6737739	7089762	1102990	T-box 1	Tbx1	360737	1,21	up
5653894	7348487	1741269	T-box18	Tbx18	315870	1,65	down

6067415	7348487	1741259	T-box18	Tbx18	315870	1,00	down
6097845	7348487	1741271	T-box18	Tbx18	315870	1,03	up
6142422	7348487	1741261	T-box18	Tbx18	315870	1,10	up
6144613	7348487	1741269	T-box18	Tbx18	315870	1,19	up
6162602	7348487	1741271	T-box18	Tbx18	315870	2,27	down
6186026	7348487	1741259	T-box18	Tbx18	315870	1,20	down
6220265	7348487	1741264	T-box18	Tbx18	315870	1,14	up
6239315	7348487	1741266	T-box18	Tbx18	315870	1,08	up
6278572	7348487	1741265	T-box18	Tbx18	315870	1,30	up
6415659	7348487	1741259	T-box18	Tbx18	315870	1,01	down
6524087	7348487	1741272	T-box18	Tbx18	315870	1,42	down
6529367	7348487	1741271	T-box18	Tbx18	315870	1,66	down
6573331	7348487	1741263	T-box18	Tbx18	315870	1,40	down
6611408	7348487	1741259	T-box18	Tbx18	315870	1,39	up
6647963	7348487	1741272	T-box18	Tbx18	315870	1,05	down
6702996	7348487	1741269	T-box18	Tbx18	315870	1,09	up
5647660	7118157	1172513	tec protein tyrosine kinase	Tec	84492	1,11	down
5713048	7118157	1172510	tec protein tyrosine kinase	Tec	84492	1,09	up
5729850	7118157	1172520	tec protein tyrosine kinase	Tec	84492	1,10	up
5797172	7118157	1172499	tec protein tyrosine kinase	Tec	84492	1,05	up
5892219	7118157	1172514	tec protein tyrosine kinase	Tec	84492	1,48	up
6012146	7118157	1172525	tec protein tyrosine kinase	Tec	84492	2,11	down
6023225	7118157	1172506	tec protein tyrosine kinase	Tec	84492	1,14	up
6088361	7118157	1172507	tec protein tyrosine kinase	Tec	84492	1,01	up
6109897	7118157	1172518	tec protein tyrosine kinase	Tec	84492	1,96	up
6139440	7118157	1172508	tec protein tyrosine kinase	Tec	84492	1,01	down
6158993	7118157	1172511	tec protein tyrosine kinase	Tec	84492	1,61	up
6165349	7118157	1172496	tec protein tyrosine kinase	Tec	84492	1,45	up
6172707	7118157	1172517	tec protein tyrosine kinase	Tec	84492	2,17	up
6231114	7118157	1172521	tec protein tyrosine kinase	Tec	84492	1,54	up
6240841	7118157	1172524	tec protein tyrosine kinase	Tec	84492	1,00	down
6320358	7118157	1172522	tec protein tyrosine kinase	Tec	84492	1,14	down
6346234	7118157	1172497	tec protein tyrosine kinase	Tec	84492	1,05	down
6349841	7118157	1172510	tec protein tyrosine kinase	Tec	84492	1,96	down
6492723	7118157	1172515	tec protein tyrosine kinase	Tec	84492	1,19	down
6529975	7118157	1172516	tec protein tyrosine kinase	Tec	84492	1,32	down
6555497	7118157	1172505	tec protein tyrosine kinase	Tec	84492	1,11	down
5665997	7045525	999739	telomerase reverse transcriptase	Tert	301965	1,35	up
5724240	7045525	999738	telomerase reverse transcriptase	Tert	301965	1,43	up
5729569	7045525	999739	telomerase reverse transcriptase	Tert	301965	1,24	down
5755125	7045525	999734	telomerase reverse transcriptase	Tert	301965	1,34	down
5950060	7045525	999731	telomerase reverse transcriptase	Tert	301965	1,73	up
5962614	7045525	999742	telomerase reverse transcriptase	Tert	301965	1,01	down
6038645	7045525	999726	telomerase reverse transcriptase	Tert	301965	1,55	up
6080613	7045525	999742	telomerase reverse transcriptase	Tert	301965	1,54	down
6097757	7045525	999730	telomerase reverse transcriptase	Tert	301965	1,18	up
6115418	7045525	999743	telomerase reverse transcriptase	Tert	301965	1,15	down
6116645	7045525	999730	telomerase reverse transcriptase	Tert	301965	1,09	down
6118341	7045525	999737	telomerase reverse transcriptase	Tert	301965	1,74	down
6187478	7045525	999735	telomerase reverse transcriptase	Tert	301965	1,05	down
6188792	7045525	999736	telomerase reverse transcriptase	Tert	301965	2,36	down
6202504	7045525	999743	telomerase reverse transcriptase	Tert	301965	1,23	down
6310095	7045525	999742	telomerase reverse transcriptase	Tert	301965	1,37	up
6315217	7045525	999732	telomerase reverse transcriptase	Tert	301965	1,27	down
6324130	7045525	999727	telomerase reverse transcriptase	Tert	301965	1,05	down
6349205	7045525	999737	telomerase reverse transcriptase	Tert	301965	1,12	up

6441111	7045525	999728	telomerase reverse transcriptase	Tert	301965	1,69	down
6456521	7045525	999743	telomerase reverse transcriptase	Tert	301965	1,09	up
6482207	7045525	999733	telomerase reverse transcriptase	Tert	301965	1,40	up
6543143	7045525	999729	telomerase reverse transcriptase	Tert	301965	1,05	up
6587806	7045525	999733	telomerase reverse transcriptase	Tert	301965	1,32	down
6731649	7045525	999741	telomerase reverse transcriptase	Tert	301965	1,08	down
5660142	7106824	1144280	tenascin R	Tnr	25567	1,06	down
5687030	7106824	1144274	tenascin R	Tnr	25567	1,06	up
5779153	7106824	1144279	tenascin R	Tnr	25567	1,02	up
5780385	7106824	1144276	tenascin R	Tnr	25567	1,39	up
5799636	7106824	1144281	tenascin R	Tnr	25567	1,04	up
5801212	7106824	1144286	tenascin R	Tnr	25567	1,27	up
5812885	7106824	1144278	tenascin R	Tnr	25567	1,33	down
5943007	7106824	1144287	tenascin R	Tnr	25567	1,40	down
5951623	7106824	1144292	tenascin R	Tnr	25567	1,34	down
6001298	7106824	1144284	tenascin R	Tnr	25567	1,31	down
6021249	7106824	1144290	tenascin R	Tnr	25567	1,28	down
6217821	7106824	1144282	tenascin R	Tnr	25567	2,69	up
6238673	7106824	1144287	tenascin R	Tnr	25567	1,11	up
6270522	7106824	1144293	tenascin R	Tnr	25567	1,02	up
6274136	7106824	1144277	tenascin R	Tnr	25567	1,19	down
6317705	7106824	1144271	tenascin R	Tnr	25567	1,18	up
6322901	7106824	1144271	tenascin R	Tnr	25567	1,00	down
6340318	7106824	1144271	tenascin R	Tnr	25567	1,31	down
6341309	7106824	1144278	tenascin R	Tnr	25567	1,45	up
6348083	7106824	1144275	tenascin R	Tnr	25567	1,24	up
6382206	7106824	1144285	tenascin R	Tnr	25567	1,02	up
6511356	7106824	1144291	tenascin R	Tnr	25567	1,14	up
6534711	7106824	1144289	tenascin R	Tnr	25567	1,25	down
6592021	7106824	1144272	tenascin R	Tnr	25567	1,01	down
6638405	7106824	1144283	tenascin R	Tnr	25567	1,01	down
6669443	7106824	1144273	tenascin R	Tnr	25567	1,35	down
6740058	7106824	1144288	tenascin R	Tnr	25567	1,05	down
5636090	7363674	1778439	tensin 1	Tns1	301509	1,32	down
5669326	7363674	1778397	tensin 1	Tns1	301509	1,01	up
5695518	7363674	1778397	tensin 1	Tns1	301509	1,05	up
5758769	7363674	1778397	tensin 1	Tns1	301509	1,61	down
5913746	7363674	1778397	tensin 1	Tns1	301509	1,54	down
5932876	7363674	1778399	tensin 1	Tns1	301509	1,01	down
6054723	7363674	1778401	tensin 1	Tns1	301509	1,03	up
6063462	7363674	1778400	tensin 1	Tns1	301509	1,12	up
6228983	7363674	1778397	tensin 1	Tns1	301509	1,11	up
6263473	7363674	1778399	tensin 1	Tns1	301509	1,32	down
6321077	7363674	1778397	tensin 1	Tns1	301509	1,23	down
6388767	7363674	1778402	tensin 1	Tns1	301509	1,21	up
6418430	7363674	1778398	tensin 1	Tns1	301509	1,40	up
6550782	7363674	1778446	tensin 1	Tns1	301509	1,12	up
6578664	7363674	1778445	tensin 1	Tns1	301509	1,22	up
6667742	7363674	1778397	tensin 1	Tns1	301509	1,68	up
5743730	7353280	1752959	testicular serine protease 1	Tesp1	363215	1,01	up
5836703	7353280	1752953	testicular serine protease 1	Tesp1	363215	1,09	up
5867263	7353280	1752959	testicular serine protease 1	Tesp1	363215	1,13	up
5900008	7353280	1752956	testicular serine protease 1	Tesp1	363215	1,18	down
5996181	7353280	1752953	testicular serine protease 1	Tesp1	363215	1,13	down
6111951	7353280	1752958	testicular serine protease 1	Tesp1	363215	2,12	down
6273030	7353280	1752954	testicular serine protease 1	Tesp1	363215	1,45	down

6354409	7353280	1752953	testicular serine protease 1	Tesp1	363215	1,05	up
6425897	7353280	1752955	testicular serine protease 1	Tesp1	363215	1,05	down
6563959	7353280	1752957	testicular serine protease 1	Tesp1	363215	1,13	up
6622445	7353280	1752958	testicular serine protease 1	Tesp1	363215	1,00	down
6670308	7353280	1752953	testicular serine protease 1	Tesp1	363215	1,00	down
5873822	7070836	1058322	testis expressed 14	Tex14	287603	1,04	up
5620727	7263248	1530602	testis specific, 14	Tsga14	500069	1,26	up
5769181	7263248	1530608	testis specific, 14	Tsga14	500069	1,08	down
5840520	7263248	1530602	testis specific, 14	Tsga14	500069	1,04	up
5927903	7263248	1530602	testis specific, 14	Tsga14	500069	1,47	down
6002160	7263248	1530608	testis specific, 14	Tsga14	500069	1,26	down
6048657	7263248	1530603	testis specific, 14	Tsga14	500069	1,62	down
6237384	7263248	1530604	testis specific, 14	Tsga14	500069	2,35	down
6241054	7263248	1530609	testis specific, 14	Tsga14	500069	1,01	down
6271522	7263248	1530602	testis specific, 14	Tsga14	500069	1,57	up
6365683	7263248	1530612	testis specific, 14	Tsga14	500069	1,84	up
6481515	7263248	1530602	testis specific, 14	Tsga14	500069	1,14	down
6547164	7263248	1530602	testis specific, 14	Tsga14	500069	1,41	up
6594612	7263248	1530611	testis specific, 14	Tsga14	500069	1,41	down
6595078	7263248	1530613	testis specific, 14	Tsga14	500069	1,25	up
6743439	7263248	1530606	testis specific, 14	Tsga14	500069	1,00	down
5725979	7182704	1332505	testis/prostate/placenta-expressed protein	Tepp	291850	1,59	down
6031944	7182704	1332506	testis/prostate/placenta-expressed protein	Tepp	291850	1,05	up
6137185	7182704	1332501	testis/prostate/placenta-expressed protein	Tepp	291850	3,00	up
6493840	7182704	1332502	testis/prostate/placenta-expressed protein	Tepp	291850	1,26	down
6500344	7182704	1332503	testis/prostate/placenta-expressed protein	Tepp	291850	1,31	down
6622561	7182704	1332508	testis/prostate/placenta-expressed protein	Tepp	291850	1,10	up
6647752	7182704	1332504	testis/prostate/placenta-expressed protein	Tepp	291850	1,02	up
6662310	7182704	1332507	testis/prostate/placenta-expressed protein	Tepp	291850	1,23	up
5677465	7340741	1721859	testis-specific serine protease-6	Tessp6	408245	1,21	up
5784725	7340741	1721861	testis-specific serine protease-6	Tessp6	408245	1,15	down
6117518	7340741	1721861	testis-specific serine protease-6	Tessp6	408245	1,36	down
6135439	7340741	1721860	testis-specific serine protease-6	Tessp6	408245	1,13	up
6730636	7340741	1721858	testis-specific serine protease-6	Tessp6	408245	2,07	up
5660620	7197536	1369209	tetraspanin 2	Tspan2	64521	2,32	down
5731310	7197536	1369207	tetraspanin 2	Tspan2	64521	1,52	up
5827188	7197536	1369201	tetraspanin 2	Tspan2	64521	1,33	down
5842228	7197536	1369208	tetraspanin 2	Tspan2	64521	1,67	down
5952140	7197536	1369206	tetraspanin 2	Tspan2	64521	2,29	up
6123970	7197536	1369202	tetraspanin 2	Tspan2	64521	1,12	up
6211511	7197536	1369203	tetraspanin 2	Tspan2	64521	1,53	up
6245983	7197536	1369204	tetraspanin 2	Tspan2	64521	1,70	down
6379630	7197536	1369205	tetraspanin 2	Tspan2	64521	1,16	up
6497581	7197536	1369209	tetraspanin 2	Tspan2	64521	1,04	down
6726350	7197536	1369200	tetraspanin 2	Tspan2	64521	1,32	down
5891249	7383501	1828201	tetraspanin 6	Tspan6	302313	1,17	down
5932653	7383501	1828205	tetraspanin 6	Tspan6	302313	1,55	down
6077890	7383501	1828200	tetraspanin 6	Tspan6	302313	1,07	up
6103700	7383501	1828204	tetraspanin 6	Tspan6	302313	1,39	down
6135162	7383501	1828202	tetraspanin 6	Tspan6	302313	1,05	up
6232563	7383501	1828203	tetraspanin 6	Tspan6	302313	1,08	down
6393114	7383501	1828206	tetraspanin 6	Tspan6	302313	1,01	up
6468235	7383501	1828207	tetraspanin 6	Tspan6	302313	1,08	up
5628804	7076581	1072203	tetratricopeptide repeat domain 1	Ttc1	287208	2,95	down
6024196	7076581	1072206	tetratricopeptide repeat domain 1	Ttc1	287208	1,16	up
6062440	7076581	1072205	tetratricopeptide repeat domain 1	Ttc1	287208	1,09	up

6279152	7076581	1072202	tetratricopeptide repeat domain 1	Ttc1	287208	1,24	up
6306902	7076581	1072200	tetratricopeptide repeat domain 1	Ttc1	287208	1,03	up
6426317	7076581	1072206	tetratricopeptide repeat domain 1	Ttc1	287208	1,05	up
6440466	7076581	1072204	tetratricopeptide repeat domain 1	Ttc1	287208	1,42	up
6448577	7076581	1072199	tetratricopeptide repeat domain 1	Ttc1	287208	1,12	up
6527924	7076581	1072201	tetratricopeptide repeat domain 1	Ttc1	287208	1,25	down
6004943	7239752	1473198	tetratricopeptide repeat domain 21B	Ttc21b	295654	1,33	up
6617691	7239752	1473154	tetratricopeptide repeat domain 21B	Ttc21b	295654	1,03	down
5665369	7032618	967310	tetratricopeptide repeat domain 23	Ttc23	308708	1,01	up
5839689	7032618	967331	tetratricopeptide repeat domain 23	Ttc23	308708	1,20	down
5853520	7032618	967311	tetratricopeptide repeat domain 23	Ttc23	308708	1,23	up
6006320	7032618	967309	tetratricopeptide repeat domain 23	Ttc23	308708	2,17	down
6059635	7032618	967319	tetratricopeptide repeat domain 23	Ttc23	308708	1,14	down
6216512	7032618	967314	tetratricopeptide repeat domain 23	Ttc23	308708	1,12	down
6285489	7032618	967308	tetratricopeptide repeat domain 23	Ttc23	308708	1,31	down
6333298	7032618	967323	tetratricopeptide repeat domain 23	Ttc23	308708	1,15	down
6407691	7032618	967332	tetratricopeptide repeat domain 23	Ttc23	308708	1,18	up
6527412	7032618	967332	tetratricopeptide repeat domain 23	Ttc23	308708	1,02	up
6557713	7032618	967326	tetratricopeptide repeat domain 23	Ttc23	308708	1,10	up
6597763	7032618	967314	tetratricopeptide repeat domain 23	Ttc23	308708	1,06	down
6668232	7032618	967306	tetratricopeptide repeat domain 23	Ttc23	308708	1,01	down
6698700	7032618	967306	tetratricopeptide repeat domain 23	Ttc23	308708	1,12	up
5941279	7190317	1350512	tetratricopeptide repeat domain 33	Ttc33	294774	1,33	down
5962868	7190317	1350503	tetratricopeptide repeat domain 33	Ttc33	294774	1,14	up
6046244	7190317	1350511	tetratricopeptide repeat domain 33	Ttc33	294774	1,03	down
6159746	7190317	1350508	tetratricopeptide repeat domain 33	Ttc33	294774	1,04	up
6466485	7190317	1350505	tetratricopeptide repeat domain 33	Ttc33	294774	1,12	up
6531378	7190317	1350512	tetratricopeptide repeat domain 33	Ttc33	294774	1,00	up
6592760	7190317	1350503	tetratricopeptide repeat domain 33	Ttc33	294774	1,09	up
5741779	7316589	1663879	tetratricopeptide repeat domain 35	Ttc35	362905	1,15	up
5876351	7316589	1663885	tetratricopeptide repeat domain 35	Ttc35	362905	1,04	up
5921278	7316589	1663883	tetratricopeptide repeat domain 35	Ttc35	362905	1,14	up
6021114	7316589	1663886	tetratricopeptide repeat domain 35	Ttc35	362905	1,05	down
6066220	7316589	1663880	tetratricopeptide repeat domain 35	Ttc35	362905	1,23	up
6097836	7316589	1663889	tetratricopeptide repeat domain 35	Ttc35	362905	1,08	down
6274317	7316589	1663882	tetratricopeptide repeat domain 35	Ttc35	362905	1,03	down
6472616	7316589	1663878	tetratricopeptide repeat domain 35	Ttc35	362905	1,22	up
6487761	7316589	1663884	tetratricopeptide repeat domain 35	Ttc35	362905	1,01	up
6604028	7316589	1663881	tetratricopeptide repeat domain 35	Ttc35	362905	1,08	down
6667706	7316589	1663876	tetratricopeptide repeat domain 35	Ttc35	362905	1,36	up
6741757	7316589	1663890	tetratricopeptide repeat domain 35	Ttc35	362905	1,28	down
5636809	7288095	1592058	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,52	down
5646640	7288095	1592052	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,11	down
5726020	7288095	1592044	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,11	up
5767907	7288095	1592054	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,05	up
5815871	7288095	1592064	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,12	up
5852797	7288095	1592047	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,36	up
5865183	7288095	1592060	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,00	up
5955703	7288095	1592056	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,13	up
6003460	7288095	1592082	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,51	up
6036445	7288095	1592055	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,36	up
6041789	7288095	1592059	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,08	up
6075527	7288095	1592057	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,16	up
6096713	7288095	1592091	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,68	down
6164935	7288095	1592091	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,03	up
6220899	7288095	1592068	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,18	down

6223022	7288095	1592063	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,02	up
6410538	7288095	1592065	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,03	up
6459218	7288095	1592053	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,15	up
6485046	7288095	1592050	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,03	down
6590272	7288095	1592051	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,04	up
6619451	7288095	1592046	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,04	down
6732548	7288095	1592049	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,23	down
6737205	7288095	1592044	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,64	up
5778018	7289611	1595903	tetratricopeptide repeat domain 4	Ttc4	362556	1,14	down
5915470	7289611	1595900	tetratricopeptide repeat domain 4	Ttc4	362556	1,76	down
5986729	7289611	1595900	tetratricopeptide repeat domain 4	Ttc4	362556	1,60	up
6062728	7289611	1595904	tetratricopeptide repeat domain 4	Ttc4	362556	1,21	up
6235190	7289611	1595902	tetratricopeptide repeat domain 4	Ttc4	362556	1,17	up
6278912	7289611	1595900	tetratricopeptide repeat domain 4	Ttc4	362556	1,09	up
6467326	7289611	1595901	tetratricopeptide repeat domain 4	Ttc4	362556	1,10	down
6666349	7289611	1595905	tetratricopeptide repeat domain 4	Ttc4	362556	2,23	down
5632286	7294866	1608400	tetratricopeptide repeat domain 7	Ttc7	362696	1,00	down
5666973	7294866	1608427	tetratricopeptide repeat domain 7	Ttc7	362696	1,27	down
5689597	7294866	1608434	tetratricopeptide repeat domain 7	Ttc7	362696	1,00	down
5794579	7294866	1608390	tetratricopeptide repeat domain 7	Ttc7	362696	1,27	down
5801554	7294866	1608413	tetratricopeptide repeat domain 7	Ttc7	362696	1,00	up
5834803	7294866	1608417	tetratricopeptide repeat domain 7	Ttc7	362696	1,05	up
5906681	7294866	1608404	tetratricopeptide repeat domain 7	Ttc7	362696	1,11	down
5995981	7294866	1608423	tetratricopeptide repeat domain 7	Ttc7	362696	1,10	down
6147295	7294866	1608391	tetratricopeptide repeat domain 7	Ttc7	362696	1,09	up
6150170	7294866	1608418	tetratricopeptide repeat domain 7	Ttc7	362696	1,13	up
6191753	7294866	1608390	tetratricopeptide repeat domain 7	Ttc7	362696	1,16	up
6288866	7294866	1608420	tetratricopeptide repeat domain 7	Ttc7	362696	1,10	up
6316333	7294866	1608394	tetratricopeptide repeat domain 7	Ttc7	362696	1,03	down
6332352	7294866	1608411	tetratricopeptide repeat domain 7	Ttc7	362696	1,08	down
6353649	7294866	1608426	tetratricopeptide repeat domain 7	Ttc7	362696	1,12	up
6359068	7294866	1608406	tetratricopeptide repeat domain 7	Ttc7	362696	1,14	down
6465916	7294866	1608410	tetratricopeptide repeat domain 7	Ttc7	362696	1,21	up
6518238	7294866	1608401	tetratricopeptide repeat domain 7	Ttc7	362696	1,05	up
6526217	7294866	1608419	tetratricopeptide repeat domain 7	Ttc7	362696	1,28	down
6543276	7294866	1608425	tetratricopeptide repeat domain 7	Ttc7	362696	1,03	down
6548479	7294866	1608405	tetratricopeptide repeat domain 7	Ttc7	362696	1,02	up
6647539	7294866	1608435	tetratricopeptide repeat domain 7	Ttc7	362696	1,14	up
6688072	7294866	1608390	tetratricopeptide repeat domain 7	Ttc7	362696	1,25	up
5671049	7300906	1624056	tetratricopeptide repeat domain 8	Ttc8	299246	1,40	down
5762222	7300906	1624045	tetratricopeptide repeat domain 8	Ttc8	299246	1,36	up
5853335	7300906	1624054	tetratricopeptide repeat domain 8	Ttc8	299246	1,43	down
5968527	7300906	1624051	tetratricopeptide repeat domain 8	Ttc8	299246	1,23	down
6088844	7300906	1624052	tetratricopeptide repeat domain 8	Ttc8	299246	1,11	up
6096946	7300906	1624053	tetratricopeptide repeat domain 8	Ttc8	299246	1,18	up
6249953	7300906	1624062	tetratricopeptide repeat domain 8	Ttc8	299246	1,72	down
6321385	7300906	1624063	tetratricopeptide repeat domain 8	Ttc8	299246	1,00	up
6368547	7300906	1624055	tetratricopeptide repeat domain 8	Ttc8	299246	1,04	down
6371253	7300906	1624045	tetratricopeptide repeat domain 8	Ttc8	299246	2,16	up
6410876	7300906	1624061	tetratricopeptide repeat domain 8	Ttc8	299246	1,21	down
6426585	7300906	1624052	tetratricopeptide repeat domain 8	Ttc8	299246	1,44	up
6428939	7300906	1624064	tetratricopeptide repeat domain 8	Ttc8	299246	1,18	down
6471963	7300906	1624050	tetratricopeptide repeat domain 8	Ttc8	299246	1,25	up
6518817	7300906	1624064	tetratricopeptide repeat domain 8	Ttc8	299246	1,66	up
6549070	7300906	1624060	tetratricopeptide repeat domain 8	Ttc8	299246	1,03	up
6563710	7300906	1624057	tetratricopeptide repeat domain 8	Ttc8	299246	1,20	down

6746100	7300906	1624050	tetratricopeptide repeat domain 8	Ttc8	299246	1,18	down
5637668	7227811	1442006	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,19	up
5670967	7227811	1442003	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,03	up
5720823	7227811	1441994	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,51	down
5732286	7227811	1442016	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,06	down
5782473	7227811	1442009	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	2,25	down
5783906	7227811	1441993	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,06	down
5795857	7227811	1442016	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,24	up
5803772	7227811	1442012	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,01	up
5841808	7227811	1442004	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,31	down
5879595	7227811	1442013	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,08	up
5954641	7227811	1442011	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,16	down
5974867	7227811	1441995	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,29	up
5979116	7227811	1441999	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,24	up
5994358	7227811	1441991	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,23	up
6013966	7227811	1441992	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,02	up
6111559	7227811	1441999	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	2,26	down
6112304	7227811	1441996	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,03	up
6177356	7227811	1442001	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,60	down
6201599	7227811	1442005	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,46	up
6226959	7227811	1442002	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,04	up
6236824	7227811	1442014	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,43	up
6245647	7227811	1442009	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,00	down
6253061	7227811	1442013	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,76	up
6327563	7227811	1442007	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,93	down
6352435	7227811	1441993	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,09	up
6374351	7227811	1442015	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,57	down
6505909	7227811	1442010	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,14	up
6534986	7227811	1441997	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,16	up
6595357	7227811	1442000	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	1,02	down
6654260	7227811	1442006	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,35	down
6658167	7227811	1442008	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,30	down
5675819	7366702	1785384	TGFB-induced factor homeobox 1	Tgif1	316742	1,39	down
5745533	7366702	1785386	TGFB-induced factor homeobox 1	Tgif1	316742	1,78	down
5994835	7366702	1785385	TGFB-induced factor homeobox 1	Tgif1	316742	2,08	up
6350427	7366702	1785383	TGFB-induced factor homeobox 1	Tgif1	316742	1,19	up
5888123	7384904	1831594	three prime repair exonuclease 2	Trex2	309275	1,10	up
5910026	7384904	1831594	three prime repair exonuclease 2	Trex2	309275	1,12	down
5934851	7384904	1831594	three prime repair exonuclease 2	Trex2	309275	1,09	up
6392078	7384904	1831595	three prime repair exonuclease 2	Trex2	309275	2,01	down
6737899	7384904	1831593	three prime repair exonuclease 2	Trex2	309275	1,03	up
5635834	7032513	966959	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,70	up
5666949	7032513	966956	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,01	down
5745700	7032513	966951	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,06	down
5751367	7032513	966949	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,66	down
5819190	7032513	966950	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,18	up
5837558	7032513	966959	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,46	up
5966614	7032513	966954	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,66	up
5989013	7032513	966947	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,48	up
6046793	7032513	966952	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,03	up
6120350	7032513	966957	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,04	down
6242556	7032513	966947	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,26	up
6341627	7032513	966949	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,04	up
6370487	7032513	966958	threonyl-tRNA synthetase-like 2	Tarsl2	308701	2,11	down
6375656	7032513	966953	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,08	up

6439267	7032513	966947	threonyl-tRNA synthetase-like 2	Tars12	308701	1,05	up
6466631	7032513	966955	threonyl-tRNA synthetase-like 2	Tars12	308701	1,00	down
6639955	7032513	966948	threonyl-tRNA synthetase-like 2	Tars12	308701	1,72	down
5623086	7302887	1629160	THUMP domain containing 2	Thumpd2	313851	2,36	down
5653530	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,36	down
5666951	7302887	1629156	THUMP domain containing 2	Thumpd2	313851	1,21	up
5710322	7302887	1629159	THUMP domain containing 2	Thumpd2	313851	1,28	down
5719197	7302887	1629158	THUMP domain containing 2	Thumpd2	313851	1,03	down
5747672	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,12	up
5906056	7302887	1629163	THUMP domain containing 2	Thumpd2	313851	1,01	down
6014904	7302887	1629162	THUMP domain containing 2	Thumpd2	313851	1,24	down
6118683	7302887	1629156	THUMP domain containing 2	Thumpd2	313851	1,11	up
6363550	7302887	1629161	THUMP domain containing 2	Thumpd2	313851	1,07	down
6629714	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,46	up
6668782	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,05	up
6670456	7302887	1629163	THUMP domain containing 2	Thumpd2	313851	2,69	up
6703079	7302887	1629157	THUMP domain containing 2	Thumpd2	313851	1,44	down
5667965	7317714	1666860	thyroglobulin	Tg	24826	1,23	down
5674415	7317714	1666874	thyroglobulin	Tg	24826	1,16	up
5703802	7317714	1666877	thyroglobulin	Tg	24826	1,23	down
5730692	7317714	1666861	thyroglobulin	Tg	24826	1,39	down
5794847	7317714	1666857	thyroglobulin	Tg	24826	1,56	up
5812251	7317714	1666880	thyroglobulin	Tg	24826	1,34	down
5814336	7317714	1666867	thyroglobulin	Tg	24826	1,01	down
5830771	7317714	1666895	thyroglobulin	Tg	24826	1,85	down
5840168	7317714	1666898	thyroglobulin	Tg	24826	1,19	down
5859542	7317714	1666869	thyroglobulin	Tg	24826	1,42	up
5867193	7317714	1666857	thyroglobulin	Tg	24826	1,28	up
5876919	7317714	1666870	thyroglobulin	Tg	24826	1,54	down
5915634	7317714	1666878	thyroglobulin	Tg	24826	1,13	up
5919106	7317714	1666885	thyroglobulin	Tg	24826	1,19	up
5967480	7317714	1666872	thyroglobulin	Tg	24826	1,28	down
5986900	7317714	1666858	thyroglobulin	Tg	24826	1,05	down
6005489	7317714	1666882	thyroglobulin	Tg	24826	1,09	down
6073921	7317714	1666851	thyroglobulin	Tg	24826	1,44	up
6079130	7317714	1666853	thyroglobulin	Tg	24826	1,03	up
6083429	7317714	1666861	thyroglobulin	Tg	24826	1,15	down
6123058	7317714	1666852	thyroglobulin	Tg	24826	1,91	up
6140920	7317714	1666873	thyroglobulin	Tg	24826	1,02	down
6153521	7317714	1666855	thyroglobulin	Tg	24826	2,08	down
6179750	7317714	1666866	thyroglobulin	Tg	24826	1,02	up
6192114	7317714	1666868	thyroglobulin	Tg	24826	1,31	up
6195357	7317714	1666868	thyroglobulin	Tg	24826	1,89	up
6220943	7317714	1666854	thyroglobulin	Tg	24826	1,07	up
6224727	7317714	1666863	thyroglobulin	Tg	24826	1,54	down
6232084	7317714	1666891	thyroglobulin	Tg	24826	1,23	down
6243071	7317714	1666881	thyroglobulin	Tg	24826	1,01	up
6280110	7317714	1666892	thyroglobulin	Tg	24826	1,39	up
6287723	7317714	1666864	thyroglobulin	Tg	24826	1,05	down
6298414	7317714	1666884	thyroglobulin	Tg	24826	1,42	down
6308015	7317714	1666901	thyroglobulin	Tg	24826	1,69	up
6342750	7317714	1666886	thyroglobulin	Tg	24826	1,18	down
6355483	7317714	1666875	thyroglobulin	Tg	24826	3,06	down
6387029	7317714	1666856	thyroglobulin	Tg	24826	1,25	down
6409053	7317714	1666889	thyroglobulin	Tg	24826	1,13	up
6425070	7317714	1666865	thyroglobulin	Tg	24826	1,38	up

6452340	7317714	1666883	thyroglobulin	Tg	24826	1,33	down
6507188	7317714	1666871	thyroglobulin	Tg	24826	1,05	up
6521501	7317714	1666876	thyroglobulin	Tg	24826	1,05	up
6526742	7317714	1666893	thyroglobulin	Tg	24826	1,11	up
6536387	7317714	1666887	thyroglobulin	Tg	24826	1,04	down
6538960	7317714	1666894	thyroglobulin	Tg	24826	1,16	down
6574858	7317714	1666890	thyroglobulin	Tg	24826	1,18	up
6579937	7317714	1666859	thyroglobulin	Tg	24826	1,04	down
6585787	7317714	1666896	thyroglobulin	Tg	24826	1,39	up
6592377	7317714	1666861	thyroglobulin	Tg	24826	1,23	up
6617794	7317714	1666897	thyroglobulin	Tg	24826	1,19	up
6637017	7317714	1666862	thyroglobulin	Tg	24826	1,14	down
6689033	7317714	1666900	thyroglobulin	Tg	24826	1,32	up
6691245	7317714	1666899	thyroglobulin	Tg	24826	1,01	down
6700424	7317714	1666879	thyroglobulin	Tg	24826	1,42	down
6728362	7317714	1666888	thyroglobulin	Tg	24826	1,15	down
5680828	7071907	1060799	thyroid hormone receptor alpha	Thra	81812	1,44	down
5750615	7071907	1060801	thyroid hormone receptor alpha	Thra	81812	1,02	down
5885566	7071907	1060794	thyroid hormone receptor alpha	Thra	81812	1,30	down
5972436	7071907	1060802	thyroid hormone receptor alpha	Thra	81812	1,60	up
6066464	7071907	1060793	thyroid hormone receptor alpha	Thra	81812	1,32	up
6151492	7071907	1060802	thyroid hormone receptor alpha	Thra	81812	1,47	down
6173032	7071907	1060798	thyroid hormone receptor alpha	Thra	81812	1,16	down
6191838	7071907	1060800	thyroid hormone receptor alpha	Thra	81812	1,19	down
6283087	7071907	1060791	thyroid hormone receptor alpha	Thra	81812	1,09	up
6518820	7071907	1060795	thyroid hormone receptor alpha	Thra	81812	1,01	up
6545251	7071907	1060796	thyroid hormone receptor alpha	Thra	81812	1,01	up
6588813	7071907	1060793	thyroid hormone receptor alpha	Thra	81812	2,21	down
6592518	7071907	1060792	thyroid hormone receptor alpha	Thra	81812	1,05	up
6620584	7071907	1060797	thyroid hormone receptor alpha	Thra	81812	1,07	up
6730975	7071907	1060800	thyroid hormone receptor alpha	Thra	81812	1,12	up
5776778	7369031	1793007	thyroid hormone receptor interactor 10	Trip10	116717	1,29	up
5854212	7369031	1793008	thyroid hormone receptor interactor 10	Trip10	116717	1,25	down
5873778	7369031	1793010	thyroid hormone receptor interactor 10	Trip10	116717	1,37	up
5984121	7369031	1793016	thyroid hormone receptor interactor 10	Trip10	116717	1,16	up
6048375	7369031	1793018	thyroid hormone receptor interactor 10	Trip10	116717	1,49	down
6116346	7369031	1793003	thyroid hormone receptor interactor 10	Trip10	116717	1,32	down
6163714	7369031	1793015	thyroid hormone receptor interactor 10	Trip10	116717	1,37	up
6303605	7369031	1793018	thyroid hormone receptor interactor 10	Trip10	116717	1,26	down
6399559	7369031	1793014	thyroid hormone receptor interactor 10	Trip10	116717	1,25	up
6439168	7369031	1793017	thyroid hormone receptor interactor 10	Trip10	116717	1,18	down
6465206	7369031	1793012	thyroid hormone receptor interactor 10	Trip10	116717	1,07	down
6483409	7369031	1793009	thyroid hormone receptor interactor 10	Trip10	116717	1,53	up
6508763	7369031	1793006	thyroid hormone receptor interactor 10	Trip10	116717	1,21	up
6526603	7369031	1793018	thyroid hormone receptor interactor 10	Trip10	116717	2,09	down
6546826	7369031	1793005	thyroid hormone receptor interactor 10	Trip10	116717	1,69	up
5802036	7300596	1623397	thyroid stimulating hormone receptor	Tshr	25360	1,02	up
5985938	7300596	1623402	thyroid stimulating hormone receptor	Tshr	25360	1,03	down
5989263	7300596	1623395	thyroid stimulating hormone receptor	Tshr	25360	2,11	down
6030775	7300596	1623400	thyroid stimulating hormone receptor	Tshr	25360	1,04	down
6151137	7300596	1623396	thyroid stimulating hormone receptor	Tshr	25360	1,25	up
6173596	7300596	1623393	thyroid stimulating hormone receptor	Tshr	25360	1,08	down
6207665	7300596	1623393	thyroid stimulating hormone receptor	Tshr	25360	1,12	down
6237362	7300596	1623399	thyroid stimulating hormone receptor	Tshr	25360	1,03	up
6429276	7300596	1623403	thyroid stimulating hormone receptor	Tshr	25360	1,13	up
6438551	7300596	1623401	thyroid stimulating hormone receptor	Tshr	25360	1,30	down

6550090	7300596	1623398	thyroid stimulating hormone receptor	Tshr	25360	1,20	up
6718765	7300596	1623394	thyroid stimulating hormone receptor	Tshr	25360	1,33	down
5682320	7352046	1750038	tight junction associated protein 1	Tjap1	316233	1,06	up
5685171	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,12	up
5760579	7352046	1750028	tight junction associated protein 1	Tjap1	316233	1,50	down
5780713	7352046	1750031	tight junction associated protein 1	Tjap1	316233	1,15	down
5825377	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,06	down
5843654	7352046	1750040	tight junction associated protein 1	Tjap1	316233	1,36	up
5898022	7352046	1750035	tight junction associated protein 1	Tjap1	316233	1,80	down
5906549	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,73	up
5961630	7352046	1750034	tight junction associated protein 1	Tjap1	316233	1,27	up
6014048	7352046	1750041	tight junction associated protein 1	Tjap1	316233	1,24	down
6024569	7352046	1750028	tight junction associated protein 1	Tjap1	316233	1,77	down
6040406	7352046	1750037	tight junction associated protein 1	Tjap1	316233	1,02	down
6262909	7352046	1750043	tight junction associated protein 1	Tjap1	316233	1,11	down
6417323	7352046	1750042	tight junction associated protein 1	Tjap1	316233	1,21	down
6651703	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,03	down
5632277	7312338	1652786	tight junction protein 3	Tjp3	314640	2,82	down
5697605	7312338	1652781	tight junction protein 3	Tjp3	314640	1,00	up
5781638	7312338	1652782	tight junction protein 3	Tjp3	314640	1,11	up
5795516	7312338	1652768	tight junction protein 3	Tjp3	314640	2,86	down
5815074	7312338	1652767	tight junction protein 3	Tjp3	314640	2,96	down
6041431	7312338	1652777	tight junction protein 3	Tjp3	314640	1,01	up
6047931	7312338	1652780	tight junction protein 3	Tjp3	314640	1,02	down
6091241	7312338	1652778	tight junction protein 3	Tjp3	314640	1,40	up
6181707	7312338	1652777	tight junction protein 3	Tjp3	314640	1,47	up
6189499	7312338	1652775	tight junction protein 3	Tjp3	314640	1,19	up
6247807	7312338	1652771	tight junction protein 3	Tjp3	314640	1,11	down
6289615	7312338	1652776	tight junction protein 3	Tjp3	314640	1,16	down
6318792	7312338	1652770	tight junction protein 3	Tjp3	314640	1,72	up
6396142	7312338	1652785	tight junction protein 3	Tjp3	314640	1,18	down
6403398	7312338	1652783	tight junction protein 3	Tjp3	314640	1,07	up
6423656	7312338	1652779	tight junction protein 3	Tjp3	314640	1,07	down
6511882	7312338	1652771	tight junction protein 3	Tjp3	314640	1,08	up
6521168	7312338	1652773	tight junction protein 3	Tjp3	314640	1,01	down
6557028	7312338	1652769	tight junction protein 3	Tjp3	314640	1,08	down
6625086	7312338	1652787	tight junction protein 3	Tjp3	314640	1,76	down
6629346	7312338	1652784	tight junction protein 3	Tjp3	314640	1,55	down
6633768	7312338	1652774	tight junction protein 3	Tjp3	314640	1,75	up
5716973	7379138	1818928	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,03	down
5739506	7379138	1818929	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,14	down
6144215	7379138	1818929	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,33	up
6164744	7379138	1818924	TIMP metalloproteinase inhibitor 1	Timp1	116510	5,45	down
6315878	7379138	1818927	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,32	up
6395478	7379138	1818925	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,34	up
6742490	7379138	1818926	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,22	up
5637734	7240569	1475441	titin	Ttn	84015	1,56	down
5642040	7240569	1475428	titin	Ttn	84015	1,12	up
5671996	7240569	1475428	titin	Ttn	84015	1,00	down
5723280	7240569	1475408	titin	Ttn	84015	1,06	down
5757974	7240569	1475306	titin	Ttn	84015	1,25	up
5769298	7240569	1475414	titin	Ttn	84015	1,22	down
5773398	7240569	1475413	titin	Ttn	84015	1,21	down
5788584	7240569	1475392	titin	Ttn	84015	1,06	up
5810768	7240569	1475310	titin	Ttn	84015	1,37	up
5831786	7240569	1475309	titin	Ttn	84015	1,16	down

5834926	7240569	1475424	titin	Ttn	84015	1,25	up
5852833	7240569	1475409	titin	Ttn	84015	1,49	up
5883593	7240569	1475417	titin	Ttn	84015	1,32	up
5883814	7240569	1475416	titin	Ttn	84015	1,14	up
5952371	7240569	1475419	titin	Ttn	84015	1,07	down
5963114	7240569	1475434	titin	Ttn	84015	1,67	up
5976243	7240569	1475406	titin	Ttn	84015	1,08	up
6010526	7240569	1475426	titin	Ttn	84015	1,06	down
6013623	7240569	1475415	titin	Ttn	84015	1,07	up
6043164	7240569	1475435	titin	Ttn	84015	1,01	up
6061335	7240569	1475477	titin	Ttn	84015	1,43	up
6072039	7240569	1475467	titin	Ttn	84015	1,49	down
6073009	7240569	1475391	titin	Ttn	84015	1,12	down
6095602	7240569	1475425	titin	Ttn	84015	1,06	down
6101607	7240569	1475432	titin	Ttn	84015	1,13	down
6118324	7240569	1475431	titin	Ttn	84015	1,42	up
6155294	7240569	1475340	titin	Ttn	84015	1,18	up
6157429	7240569	1475305	titin	Ttn	84015	1,92	up
6162425	7240569	1475442	titin	Ttn	84015	1,88	down
6168060	7240569	1475373	titin	Ttn	84015	1,01	up
6187035	7240569	1475421	titin	Ttn	84015	1,08	down
6187370	7240569	1475411	titin	Ttn	84015	1,02	down
6206245	7240569	1475439	titin	Ttn	84015	1,43	down
6223146	7240569	1475374	titin	Ttn	84015	1,02	down
6236639	7240569	1475431	titin	Ttn	84015	1,41	down
6269080	7240569	1475426	titin	Ttn	84015	1,07	up
6269475	7240569	1475410	titin	Ttn	84015	1,76	down
6271050	7240569	1475427	titin	Ttn	84015	1,29	down
6284581	7240569	1475436	titin	Ttn	84015	1,28	up
6309845	7240569	1475307	titin	Ttn	84015	1,88	down
6372851	7240569	1475433	titin	Ttn	84015	1,39	up
6406930	7240569	1475422	titin	Ttn	84015	1,08	up
6425827	7240569	1475440	titin	Ttn	84015	1,03	down
6431157	7240569	1475437	titin	Ttn	84015	1,08	up
6438825	7240569	1475465	titin	Ttn	84015	1,24	up
6451737	7240569	1475398	titin	Ttn	84015	1,21	down
6463813	7240569	1475426	titin	Ttn	84015	1,05	down
6534420	7240569	1475304	titin	Ttn	84015	1,05	down
6546184	7240569	1475422	titin	Ttn	84015	1,41	up
6566338	7240569	1475430	titin	Ttn	84015	1,02	down
6574069	7240569	1475423	titin	Ttn	84015	1,27	down
6621625	7240569	1475429	titin	Ttn	84015	1,26	down
6632703	7240569	1475475	titin	Ttn	84015	1,28	down
6639810	7240569	1475438	titin	Ttn	84015	1,03	up
6645344	7240569	1475430	titin	Ttn	84015	1,12	up
6645369	7240569	1475308	titin	Ttn	84015	1,47	down
6693152	7240569	1475465	titin	Ttn	84015	1,06	down
6700074	7240569	1475407	titin	Ttn	84015	1,43	up
6718484	7240569	1475467	titin	Ttn	84015	1,17	down
6730367	7240569	1475436	titin	Ttn	84015	1,14	up
6731225	7240569	1475412	titin	Ttn	84015	1,10	down
6738689	7240569	1475418	titin	Ttn	84015	1,03	down
5813089	7055781	1022268	TMEM9 domain family, member B	Tmem9b	293415	1,06	up
6070381	7055781	1022270	TMEM9 domain family, member B	Tmem9b	293415	1,27	up
6141728	7055781	1022266	TMEM9 domain family, member B	Tmem9b	293415	1,05	down
6372519	7055781	1022265	TMEM9 domain family, member B	Tmem9b	293415	1,18	down

6470802	7055781	1022267	TMEM9 domain family, member B	Tmem9b	293415	1,05	down
6650607	7055781	1022265	TMEM9 domain family, member B	Tmem9b	293415	1,22	down
5737586	7301895	1626718	Tnf receptor-associated factor 3	Traf3	362788	1,12	up
5772585	7301895	1626723	Tnf receptor-associated factor 3	Traf3	362788	1,66	down
5799089	7301895	1626716	Tnf receptor-associated factor 3	Traf3	362788	1,74	up
5839990	7301895	1626720	Tnf receptor-associated factor 3	Traf3	362788	1,58	down
5878055	7301895	1626723	Tnf receptor-associated factor 3	Traf3	362788	1,03	down
6068639	7301895	1626710	Tnf receptor-associated factor 3	Traf3	362788	1,00	up
6224157	7301895	1626713	Tnf receptor-associated factor 3	Traf3	362788	1,07	down
6270387	7301895	1626723	Tnf receptor-associated factor 3	Traf3	362788	1,00	down
6426673	7301895	1626714	Tnf receptor-associated factor 3	Traf3	362788	1,30	up
6503750	7301895	1626715	Tnf receptor-associated factor 3	Traf3	362788	1,15	up
6540276	7301895	1626722	Tnf receptor-associated factor 3	Traf3	362788	1,11	down
6616340	7301895	1626722	Tnf receptor-associated factor 3	Traf3	362788	1,17	down
6649225	7301895	1626719	Tnf receptor-associated factor 3	Traf3	362788	1,38	down
6743383	7301895	1626717	Tnf receptor-associated factor 3	Traf3	362788	1,06	down
6744934	7301895	1626721	Tnf receptor-associated factor 3	Traf3	362788	2,02	down
5796353	7175355	1313233	toll-like receptor adaptor molecule 2	Ticam2	364867	1,64	up
5908134	7175355	1313230	toll-like receptor adaptor molecule 2	Ticam2	364867	1,84	up
5935704	7175355	1313232	toll-like receptor adaptor molecule 2	Ticam2	364867	1,57	up
5972960	7175355	1313231	toll-like receptor adaptor molecule 2	Ticam2	364867	1,88	up
6203080	7175355	1313237	toll-like receptor adaptor molecule 2	Ticam2	364867	1,04	down
6468804	7175355	1313236	toll-like receptor adaptor molecule 2	Ticam2	364867	1,63	up
6555498	7175355	1313237	toll-like receptor adaptor molecule 2	Ticam2	364867	1,20	up
5864607	7050641	1010957	tonin	Ton	24841	1,14	down
5866231	7050641	1010958	tonin	Ton	24841	1,08	down
5894341	7050641	1010962	tonin	Ton	24841	1,01	up
5938627	7050641	1010960	tonin	Ton	24841	1,14	up
6020894	7050641	1010958	tonin	Ton	24841	1,30	down
6230616	7050641	1010962	tonin	Ton	24841	2,03	down
6699917	7050641	1010959	tonin	Ton	24841	1,45	up
5644072	7234008	1458369	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,60	down
5663287	7234008	1458367	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,56	down
5689845	7234008	1458370	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,04	down
5748011	7234008	1458364	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	2,18	up
5882184	7234008	1458362	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,78	down
5921785	7234008	1458371	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,13	down
5955124	7234008	1458357	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,23	up
5981718	7234008	1458376	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,15	down
6021841	7234008	1458357	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,69	down
6055081	7234008	1458376	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,05	down
6138004	7234008	1458375	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,16	up
6160904	7234008	1458365	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,20	up
6163334	7234008	1458374	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,32	up
6190185	7234008	1458363	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,46	up
6204378	7234008	1458360	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,45	down
6259657	7234008	1458372	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,02	up
6325858	7234008	1458374	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,35	down
6459182	7234008	1458373	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,11	up
6473429	7234008	1458361	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,57	down
6482390	7234008	1458375	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,32	up
6529472	7234008	1458366	TPX2, microtubule-associated, homolog (Xenopus laevis)	Tpx2	311546	1,53	down
5635424	7219605	1422063	Traf3 interacting protein 2	Traf3ip2	361857	1,12	down
5742321	7219605	1422073	Traf3 interacting protein 2	Traf3ip2	361857	2,31	up
5757840	7219605	1422057	Traf3 interacting protein 2	Traf3ip2	361857	1,25	down
5864016	7219605	1422073	Traf3 interacting protein 2	Traf3ip2	361857	1,69	down

5981350	7219605	1422057	Traf3 interacting protein 2	Traf3ip2	361857	1,13	up
6008345	7219605	1422063	Traf3 interacting protein 2	Traf3ip2	361857	1,13	down
6038423	7219605	1422062	Traf3 interacting protein 2	Traf3ip2	361857	1,18	up
6121859	7219605	1422066	Traf3 interacting protein 2	Traf3ip2	361857	1,23	up
6203094	7219605	1422078	Traf3 interacting protein 2	Traf3ip2	361857	1,15	up
6216119	7219605	1422077	Traf3 interacting protein 2	Traf3ip2	361857	1,01	up
6251332	7219605	1422070	Traf3 interacting protein 2	Traf3ip2	361857	1,55	up
6414727	7219605	1422053	Traf3 interacting protein 2	Traf3ip2	361857	1,16	down
6493661	7219605	1422078	Traf3 interacting protein 2	Traf3ip2	361857	1,08	down
6672019	7219605	1422069	Traf3 interacting protein 2	Traf3ip2	361857	1,13	down
5625007	7228848	1444756	trans-acting transcription factor 9	Sp9	366078	1,29	up
5805311	7228848	1444757	trans-acting transcription factor 9	Sp9	366078	1,00	up
6076896	7228848	1444754	trans-acting transcription factor 9	Sp9	366078	1,03	down
6408557	7228848	1444755	trans-acting transcription factor 9	Sp9	366078	1,09	down
6051001	7233923	1458166	transcription factor 15	Tcf15	296272	1,53	up
5635124	7171780	1304084	transcription factor 4	Tcf4	84382	1,16	up
5708039	7171780	1304091	transcription factor 4	Tcf4	84382	1,40	up
5720362	7171780	1304079	transcription factor 4	Tcf4	84382	2,46	up
5777417	7171780	1304086	transcription factor 4	Tcf4	84382	1,36	down
5859272	7171780	1304078	transcription factor 4	Tcf4	84382	1,10	down
5913124	7171780	1304092	transcription factor 4	Tcf4	84382	1,50	up
5913273	7171780	1304093	transcription factor 4	Tcf4	84382	1,26	down
5983706	7171780	1304081	transcription factor 4	Tcf4	84382	1,16	down
5990331	7171780	1304079	transcription factor 4	Tcf4	84382	1,13	down
6061211	7171780	1304089	transcription factor 4	Tcf4	84382	1,01	down
6097583	7171780	1304085	transcription factor 4	Tcf4	84382	1,04	down
6263347	7171780	1304088	transcription factor 4	Tcf4	84382	1,18	up
6386780	7171780	1304087	transcription factor 4	Tcf4	84382	1,12	up
6403160	7171780	1304083	transcription factor 4	Tcf4	84382	1,05	down
6562995	7171780	1304082	transcription factor 4	Tcf4	84382	1,02	up
6716959	7171780	1304090	transcription factor 4	Tcf4	84382	1,13	down
6724487	7171780	1304080	transcription factor 4	Tcf4	84382	1,04	up
5731961	7359426	1768353	transcription factor EB	Tfeb	316214	1,21	up
5740464	7359426	1768362	transcription factor EB	Tfeb	316214	1,08	down
5882265	7359426	1768358	transcription factor EB	Tfeb	316214	1,17	up
5980634	7359426	1768361	transcription factor EB	Tfeb	316214	1,02	up
6031972	7359426	1768353	transcription factor EB	Tfeb	316214	1,02	up
6137715	7359426	1768362	transcription factor EB	Tfeb	316214	1,08	down
6164770	7359426	1768353	transcription factor EB	Tfeb	316214	1,07	down
6176798	7359426	1768362	transcription factor EB	Tfeb	316214	1,02	down
6218975	7359426	1768357	transcription factor EB	Tfeb	316214	2,97	down
6231486	7359426	1768355	transcription factor EB	Tfeb	316214	1,38	up
6286960	7359426	1768355	transcription factor EB	Tfeb	316214	1,22	down
6350131	7359426	1768353	transcription factor EB	Tfeb	316214	1,03	down
6395428	7359426	1768364	transcription factor EB	Tfeb	316214	1,14	up
6424206	7359426	1768363	transcription factor EB	Tfeb	316214	1,22	down
6476467	7359426	1768360	transcription factor EB	Tfeb	316214	1,25	up
6560960	7359426	1768359	transcription factor EB	Tfeb	316214	1,02	down
5662127	7107421	1145562	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,06	down
5679290	7107421	1145569	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,24	down
5720588	7107421	1145565	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,18	down
5761501	7107421	1145563	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,42	up
5823532	7107421	1145564	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,08	up
6138420	7107421	1145566	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,00	down
6154758	7107421	1145567	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	2,37	up
6193794	7107421	1145568	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,15	down

6246805	7107421	1145569	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,08	down
6397437	7107421	1145567	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,09	down
6457648	7107421	1145569	transcriptional adaptor 1 (HFI1 homolog, yeast) like	Tada11	360874	1,08	up
5709075	7094158	1112965	transferrin receptor	Tfrc	64678	1,07	up
5750427	7094158	1112977	transferrin receptor	Tfrc	64678	1,12	down
5787004	7094158	1112967	transferrin receptor	Tfrc	64678	1,15	up
5826456	7094158	1112965	transferrin receptor	Tfrc	64678	1,07	down
6067776	7094158	1112983	transferrin receptor	Tfrc	64678	1,64	up
6073866	7094158	1112975	transferrin receptor	Tfrc	64678	1,03	up
6143381	7094158	1112976	transferrin receptor	Tfrc	64678	1,35	up
6197333	7094158	1112969	transferrin receptor	Tfrc	64678	1,08	down
6245662	7094158	1112980	transferrin receptor	Tfrc	64678	1,10	up
6262138	7094158	1112984	transferrin receptor	Tfrc	64678	2,65	down
6285408	7094158	1112968	transferrin receptor	Tfrc	64678	1,10	down
6345050	7094158	1112976	transferrin receptor	Tfrc	64678	1,01	up
6371980	7094158	1112972	transferrin receptor	Tfrc	64678	1,34	down
6432117	7094158	1112971	transferrin receptor	Tfrc	64678	1,01	up
6487838	7094158	1112966	transferrin receptor	Tfrc	64678	1,15	up
6592763	7094158	1112979	transferrin receptor	Tfrc	64678	1,09	down
6681836	7094158	1112974	transferrin receptor	Tfrc	64678	1,14	up
6687990	7094158	1112978	transferrin receptor	Tfrc	64678	1,24	down
6709269	7094158	1112973	transferrin receptor	Tfrc	64678	1,06	up
5631259	7097240	1120370	transferrin receptor 2	Tfr2	288562	1,11	up
5651491	7097240	1120364	transferrin receptor 2	Tfr2	288562	2,26	up
5659917	7097240	1120357	transferrin receptor 2	Tfr2	288562	1,14	down
5661000	7097240	1120355	transferrin receptor 2	Tfr2	288562	1,06	down
5681004	7097240	1120364	transferrin receptor 2	Tfr2	288562	1,07	down
5686507	7097240	1120368	transferrin receptor 2	Tfr2	288562	1,30	up
5708094	7097240	1120364	transferrin receptor 2	Tfr2	288562	1,99	up
5825016	7097240	1120369	transferrin receptor 2	Tfr2	288562	1,06	up
5830208	7097240	1120368	transferrin receptor 2	Tfr2	288562	1,07	up
5831829	7097240	1120359	transferrin receptor 2	Tfr2	288562	1,35	up
5964610	7097240	1120365	transferrin receptor 2	Tfr2	288562	1,02	down
5991339	7097240	1120363	transferrin receptor 2	Tfr2	288562	1,39	down
6080884	7097240	1120361	transferrin receptor 2	Tfr2	288562	1,04	down
6104951	7097240	1120362	transferrin receptor 2	Tfr2	288562	1,05	up
6120774	7097240	1120367	transferrin receptor 2	Tfr2	288562	1,52	down
6185655	7097240	1120371	transferrin receptor 2	Tfr2	288562	1,10	down
6301274	7097240	1120358	transferrin receptor 2	Tfr2	288562	1,23	down
6344380	7097240	1120360	transferrin receptor 2	Tfr2	288562	1,35	up
6468965	7097240	1120365	transferrin receptor 2	Tfr2	288562	1,55	down
6516888	7097240	1120356	transferrin receptor 2	Tfr2	288562	1,31	down
6694904	7097240	1120371	transferrin receptor 2	Tfr2	288562	1,17	down
5634752	7100257	1128279	transformation/transcription domain-associated protein	Trrap	288471	1,31	up
5638388	7100257	1128275	transformation/transcription domain-associated protein	Trrap	288471	1,57	down
5676318	7100257	1128283	transformation/transcription domain-associated protein	Trrap	288471	1,04	up
5679136	7100257	1128265	transformation/transcription domain-associated protein	Trrap	288471	1,05	down
5738274	7100257	1128268	transformation/transcription domain-associated protein	Trrap	288471	1,25	down
5738370	7100257	1128263	transformation/transcription domain-associated protein	Trrap	288471	1,15	up
5749435	7100257	1128286	transformation/transcription domain-associated protein	Trrap	288471	1,00	up
5784552	7100257	1128221	transformation/transcription domain-associated protein	Trrap	288471	1,02	up
5800687	7100257	1128235	transformation/transcription domain-associated protein	Trrap	288471	1,15	up
5803881	7100257	1128217	transformation/transcription domain-associated protein	Trrap	288471	1,20	down
5831929	7100257	1128277	transformation/transcription domain-associated protein	Trrap	288471	1,15	down
5846831	7100257	1128233	transformation/transcription domain-associated protein	Trrap	288471	1,07	up
5846832	7100257	1128225	transformation/transcription domain-associated protein	Trrap	288471	1,11	down

5849534	7100257	1128250	transformation/transcription domain-associated protein	Trrap	288471	1,01	up
5855818	7100257	1128237	transformation/transcription domain-associated protein	Trrap	288471	1,09	up
5861072	7100257	1128261	transformation/transcription domain-associated protein	Trrap	288471	1,04	down
5866531	7100257	1128290	transformation/transcription domain-associated protein	Trrap	288471	1,33	up
5872944	7100257	1128244	transformation/transcription domain-associated protein	Trrap	288471	1,02	up
5890438	7100257	1128292	transformation/transcription domain-associated protein	Trrap	288471	1,04	down
5890707	7100257	1128252	transformation/transcription domain-associated protein	Trrap	288471	1,03	down
5902237	7100257	1128226	transformation/transcription domain-associated protein	Trrap	288471	1,11	down
5914752	7100257	1128279	transformation/transcription domain-associated protein	Trrap	288471	1,12	up
5955951	7100257	1128285	transformation/transcription domain-associated protein	Trrap	288471	1,03	up
5973124	7100257	1128281	transformation/transcription domain-associated protein	Trrap	288471	1,01	up
6003421	7100257	1128257	transformation/transcription domain-associated protein	Trrap	288471	1,08	up
6013671	7100257	1128282	transformation/transcription domain-associated protein	Trrap	288471	1,01	down
6055370	7100257	1128267	transformation/transcription domain-associated protein	Trrap	288471	1,10	up
6058652	7100257	1128253	transformation/transcription domain-associated protein	Trrap	288471	1,02	up
6065980	7100257	1128272	transformation/transcription domain-associated protein	Trrap	288471	1,23	up
6085649	7100257	1128271	transformation/transcription domain-associated protein	Trrap	288471	1,03	up
6115227	7100257	1128284	transformation/transcription domain-associated protein	Trrap	288471	1,02	down
6144709	7100257	1128234	transformation/transcription domain-associated protein	Trrap	288471	1,57	down
6146320	7100257	1128228	transformation/transcription domain-associated protein	Trrap	288471	1,10	up
6151693	7100257	1128231	transformation/transcription domain-associated protein	Trrap	288471	1,02	up
6157633	7100257	1128293	transformation/transcription domain-associated protein	Trrap	288471	1,02	down
6164025	7100257	1128276	transformation/transcription domain-associated protein	Trrap	288471	1,57	up
6180827	7100257	1128230	transformation/transcription domain-associated protein	Trrap	288471	1,00	up
6181278	7100257	1128248	transformation/transcription domain-associated protein	Trrap	288471	1,51	down
6196846	7100257	1128222	transformation/transcription domain-associated protein	Trrap	288471	1,14	up
6225014	7100257	1128227	transformation/transcription domain-associated protein	Trrap	288471	1,21	down
6237760	7100257	1128243	transformation/transcription domain-associated protein	Trrap	288471	1,05	up
6257420	7100257	1128256	transformation/transcription domain-associated protein	Trrap	288471	1,38	up
6260506	7100257	1128219	transformation/transcription domain-associated protein	Trrap	288471	1,22	up
6261194	7100257	1128238	transformation/transcription domain-associated protein	Trrap	288471	1,11	up
6275543	7100257	1128217	transformation/transcription domain-associated protein	Trrap	288471	1,46	down
6281050	7100257	1128287	transformation/transcription domain-associated protein	Trrap	288471	1,78	up
6292294	7100257	1128247	transformation/transcription domain-associated protein	Trrap	288471	1,21	up
6297347	7100257	1128266	transformation/transcription domain-associated protein	Trrap	288471	1,05	up
6301127	7100257	1128255	transformation/transcription domain-associated protein	Trrap	288471	1,08	down
6304741	7100257	1128236	transformation/transcription domain-associated protein	Trrap	288471	1,02	down
6311767	7100257	1128240	transformation/transcription domain-associated protein	Trrap	288471	1,09	down
6332951	7100257	1128284	transformation/transcription domain-associated protein	Trrap	288471	1,12	up
6334916	7100257	1128269	transformation/transcription domain-associated protein	Trrap	288471	1,01	up
6338922	7100257	1128232	transformation/transcription domain-associated protein	Trrap	288471	1,50	up
6347400	7100257	1128262	transformation/transcription domain-associated protein	Trrap	288471	1,01	down
6370796	7100257	1128264	transformation/transcription domain-associated protein	Trrap	288471	1,12	up
6374573	7100257	1128254	transformation/transcription domain-associated protein	Trrap	288471	1,38	up
6391186	7100257	1128274	transformation/transcription domain-associated protein	Trrap	288471	1,02	down
6397739	7100257	1128242	transformation/transcription domain-associated protein	Trrap	288471	1,03	down
6401199	7100257	1128251	transformation/transcription domain-associated protein	Trrap	288471	1,06	down
6431920	7100257	1128291	transformation/transcription domain-associated protein	Trrap	288471	1,13	down
6466848	7100257	1128239	transformation/transcription domain-associated protein	Trrap	288471	1,01	up
6548465	7100257	1128246	transformation/transcription domain-associated protein	Trrap	288471	1,00	up
6553269	7100257	1128245	transformation/transcription domain-associated protein	Trrap	288471	1,06	up
6561875	7100257	1128251	transformation/transcription domain-associated protein	Trrap	288471	1,11	up
6563424	7100257	1128273	transformation/transcription domain-associated protein	Trrap	288471	1,23	up
6565723	7100257	1128270	transformation/transcription domain-associated protein	Trrap	288471	1,11	down
6577986	7100257	1128288	transformation/transcription domain-associated protein	Trrap	288471	1,08	down
6593980	7100257	1128275	transformation/transcription domain-associated protein	Trrap	288471	1,04	up

6603806	7100257	1128249	transformation/transcription domain-associated protein	Trrap	288471	1,14	down
6643683	7100257	1128289	transformation/transcription domain-associated protein	Trrap	288471	1,21	up
6657646	7100257	1128229	transformation/transcription domain-associated protein	Trrap	288471	1,06	up
6688802	7100257	1128218	transformation/transcription domain-associated protein	Trrap	288471	1,29	down
6704937	7100257	1128258	transformation/transcription domain-associated protein	Trrap	288471	1,04	up
6724511	7100257	1128223	transformation/transcription domain-associated protein	Trrap	288471	1,19	down
5687677	7037235	978578	transforming growth factor beta 1 induced transcript 1	Tgfb1l1	84574	1,19	down
5694983	7037235	978578	transforming growth factor beta 1 induced transcript 1	Tgfb1l1	84574	1,30	down
6062968	7037235	978577	transforming growth factor beta 1 induced transcript 1	Tgfb1l1	84574	1,12	down
6315619	7037235	978580	transforming growth factor beta 1 induced transcript 1	Tgfb1l1	84574	1,45	down
6316958	7037235	978582	transforming growth factor beta 1 induced transcript 1	Tgfb1l1	84574	1,94	up
6328914	7037235	978581	transforming growth factor beta 1 induced transcript 1	Tgfb1l1	84574	1,36	up
6646859	7037235	978579	transforming growth factor beta 1 induced transcript 1	Tgfb1l1	84574	1,83	down
5770630	7115195	1165149	transforming growth factor, beta 2	Tgfb2	81809	1,10	up
5923647	7115195	1165151	transforming growth factor, beta 2	Tgfb2	81809	2,05	up
5955561	7115195	1165145	transforming growth factor, beta 2	Tgfb2	81809	2,07	up
6104289	7115195	1165150	transforming growth factor, beta 2	Tgfb2	81809	1,48	down
6111596	7115195	1165145	transforming growth factor, beta 2	Tgfb2	81809	1,48	down
6253792	7115195	1165150	transforming growth factor, beta 2	Tgfb2	81809	1,00	up
6350412	7115195	1165147	transforming growth factor, beta 2	Tgfb2	81809	1,07	up
6697051	7115195	1165146	transforming growth factor, beta 2	Tgfb2	81809	1,22	up
6700234	7115195	1165148	transforming growth factor, beta 2	Tgfb2	81809	1,12	down
6742922	7115195	1165152	transforming growth factor, beta 2	Tgfb2	81809	1,17	up
5655778	7146933	1243057	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,26	down
5756549	7146933	1243058	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,11	up
5776339	7146933	1243054	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,19	up
5816133	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,05	down
5864212	7146933	1243056	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,90	up
5907223	7146933	1243050	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,39	down
5974888	7146933	1243059	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,33	up
6139879	7146933	1243048	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,22	down
6263612	7146933	1243055	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,18	up
6302021	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,47	up
6313755	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,17	down
6315627	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,03	down
6319942	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,06	down
6325763	7146933	1243049	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,97	up
6371164	7146933	1243051	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	2,15	down
6489035	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,06	up
6498908	7146933	1243053	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,20	down
6517600	7146933	1243046	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,02	up
6557655	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,16	down
6591786	7146933	1243052	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,07	up
6660173	7146933	1243045	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,37	up
6674175	7146933	1243045	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,25	up
6674692	7146933	1243044	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,28	up
5641742	7127390	1195044	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,22	up
5662671	7127390	1195050	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,59	up
5780389	7127390	1195046	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,22	down
5846211	7127390	1195054	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,39	up
5880777	7127390	1195054	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	3,11	up
6013625	7127390	1195054	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,05	down
6025528	7127390	1195053	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,26	down
6118882	7127390	1195057	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,10	up
6202649	7127390	1195050	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,35	up
6393922	7127390	1195049	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,12	up

6415892	7127390	1195047	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,18	down
6442514	7127390	1195055	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,26	down
6456434	7127390	1195051	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,13	down
6479181	7127390	1195045	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,23	up
6525951	7127390	1195054	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,04	down
6532316	7127390	1195056	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,01	up
6670003	7127390	1195052	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,04	down
6699235	7127390	1195054	transforming, acidic coiled-coil containing protein 3	Tacc3	360962	1,41	down
5674059	7087986	1098095	transgelin 3	Tagln3	63837	1,03	down
5819346	7087986	1098091	transgelin 3	Tagln3	63837	1,02	down
5822347	7087986	1098090	transgelin 3	Tagln3	63837	1,86	up
6122377	7087986	1098094	transgelin 3	Tagln3	63837	1,81	down
6192444	7087986	1098092	transgelin 3	Tagln3	63837	1,22	down
6297376	7087986	1098094	transgelin 3	Tagln3	63837	2,23	down
6538925	7087986	1098093	transgelin 3	Tagln3	63837	1,64	up
5639792	7032444	966773	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,02	up
5656550	7032444	966727	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,34	down
5710718	7032444	966749	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,03	down
5725061	7032444	966765	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,20	down
5729263	7032444	966763	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,02	down
5763084	7032444	966755	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,01	up
5806471	7032444	966742	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,80	down
5836263	7032444	966759	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,38	down
5888834	7032444	966740	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,35	down
5922408	7032444	966770	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,24	down
6085284	7032444	966771	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,01	up
6098856	7032444	966753	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,22	down
6116996	7032444	966763	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,42	down
6176089	7032444	966757	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,14	up
6180815	7032444	966728	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,32	down
6313848	7032444	966762	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,17	up
6319097	7032444	966758	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,01	down
6397174	7032444	966739	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,01	up
6404472	7032444	966750	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,02	up
6459449	7032444	966754	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,82	up
6465470	7032444	966727	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,15	up
6506465	7032444	966760	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,10	up
6533782	7032444	966751	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,13	down
6571240	7032444	966748	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,31	down
6600052	7032444	966758	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,14	up
6670691	7032444	966769	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,01	up
6677015	7032444	966745	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,19	up
6681844	7032444	966747	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,12	up
6734403	7032444	966744	transient receptor potential cation channel, subfamily M, member 1	Trpm1	361586	1,65	down
5681561	7217594	1417013	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,04	up
5687583	7217594	1417037	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,13	up
5776448	7217594	1417016	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,31	up
5802246	7217594	1417015	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,11	down
5832945	7217594	1417018	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,17	up
5872922	7217594	1417034	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,03	down
5882988	7217594	1417043	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,37	up
5921179	7217594	1417020	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,13	up
5952423	7217594	1417035	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,28	up
6006852	7217594	1417022	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,03	up
6039863	7217594	1417017	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,45	down
6062512	7217594	1417019	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,54	up

6065250	7217594	1417026	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,04	up
6101313	7217594	1417028	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,11	down
6102884	7217594	1417041	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,12	down
6154811	7217594	1417023	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,11	up
6163241	7217594	1417044	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,14	down
6172665	7217594	1417031	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,34	up
6179093	7217594	1417038	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,41	up
6191146	7217594	1417042	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,11	down
6209128	7217594	1417027	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,10	down
6256079	7217594	1417040	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,28	up
6287047	7217594	1417032	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,04	up
6305254	7217594	1417036	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,13	down
6321669	7217594	1417025	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	2,69	down
6333232	7217594	1417021	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,04	down
6382703	7217594	1417014	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,18	down
6389351	7217594	1417029	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,08	up
6424785	7217594	1417039	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,14	down
6582129	7217594	1417030	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,26	down
6616507	7217594	1417033	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,10	up
6622950	7217594	1417044	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,38	down
6671717	7217594	1417024	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,16	down
5740401	7050943	1011673	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,18	down
5746061	7050943	1011668	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,02	down
5797641	7050943	1011665	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,08	down
5804894	7050943	1011672	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,33	up
6141163	7050943	1011665	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	2,11	down
6182238	7050943	1011670	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,05	down
6322074	7050943	1011669	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,25	down
6322837	7050943	1011671	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,28	up
6418442	7050943	1011666	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,78	up
6516521	7050943	1011668	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,29	up
6660605	7050943	1011667	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,76	up
6686433	7050943	1011664	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,15	up
6309310	7040260	986100	transient receptor potential cation channel, subfamily M, member 6	Trpm6	293874	1,07	up
6441225	7040260	986086	transient receptor potential cation channel, subfamily M, member 6	Trpm6	293874	1,01	down
5697798	7068475	1052087	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,09	down
5830248	7068475	1052084	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,76	down
5835620	7068475	1052089	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,20	down
5867420	7068475	1052088	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,13	down
5956886	7068475	1052083	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	2,31	down
5976374	7068475	1052085	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,04	up
6007534	7068475	1052082	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,22	up
6060008	7068475	1052083	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,04	up
6075194	7068475	1052096	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,01	down
6209116	7068475	1052092	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,47	down
6211031	7068475	1052081	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,20	up
6227095	7068475	1052096	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,04	up
6276045	7068475	1052095	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,03	up
6353148	7068475	1052081	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,12	up
6378789	7068475	1052081	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,09	up
6408071	7068475	1052082	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,08	up
6427360	7068475	1052094	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,25	up
6521220	7068475	1052090	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,08	down
6522881	7068475	1052091	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,22	up
6580062	7068475	1052093	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,05	up
6620409	7068475	1052086	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,08	up

6709239	7068475	1052096	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,18	up
6722637	7068475	1052081	transient receptor potential cation channel, subfamily V, member 2	Trpv2	29465	1,26	up
5649715	7264198	1532973	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,33	up
5868468	7264198	1532968	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,14	down
5916565	7264198	1532969	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	2,41	up
5964937	7264198	1532970	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,09	up
5983478	7264198	1532962	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,14	down
6016179	7264198	1532973	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,86	down
6016253	7264198	1532959	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,04	up
6053215	7264198	1532960	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,03	up
6125523	7264198	1532971	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,39	up
6219973	7264198	1532963	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	2,01	down
6268960	7264198	1532965	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,01	up
6425556	7264198	1532966	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,39	down
6553162	7264198	1532961	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,10	down
6560037	7264198	1532967	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,23	down
6606582	7264198	1532972	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,13	down
6706693	7264198	1532958	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,62	up
6729898	7264198	1532964	transient receptor potential cation channel, subfamily V, member 6	Trpv6	114246	1,63	up
5717439	7378602	1817713	transketolase-like 1	Tktl1	689374	1,52	up
5773223	7378602	1817720	transketolase-like 1	Tktl1	689374	1,01	down
5827462	7378602	1817722	transketolase-like 1	Tktl1	689374	1,19	up
5830917	7378602	1817722	transketolase-like 1	Tktl1	689374	1,25	down
5972891	7378602	1817708	transketolase-like 1	Tktl1	689374	1,08	up
6006031	7378602	1817721	transketolase-like 1	Tktl1	689374	1,35	up
6103320	7378602	1817709	transketolase-like 1	Tktl1	689374	1,06	up
6121108	7378602	1817717	transketolase-like 1	Tktl1	689374	1,01	up
6123548	7378602	1817712	transketolase-like 1	Tktl1	689374	1,18	up
6129939	7378602	1817711	transketolase-like 1	Tktl1	689374	1,03	up
6304538	7378602	1817722	transketolase-like 1	Tktl1	689374	1,02	up
6346147	7378602	1817710	transketolase-like 1	Tktl1	689374	1,12	up
6465192	7378602	1817715	transketolase-like 1	Tktl1	689374	1,60	up
6476553	7378602	1817719	transketolase-like 1	Tktl1	689374	1,01	up
6596634	7378602	1817714	transketolase-like 1	Tktl1	689374	2,39	down
6635195	7378602	1817718	transketolase-like 1	Tktl1	689374	1,09	down
5728771	7194285	1361467	transmembrane 4 L six family member 4	Tm4sf4	116467	1,20	down
5888323	7194285	1361470	transmembrane 4 L six family member 4	Tm4sf4	116467	1,03	up
6191950	7194285	1361468	transmembrane 4 L six family member 4	Tm4sf4	116467	1,18	up
6337432	7194285	1361471	transmembrane 4 L six family member 4	Tm4sf4	116467	1,14	down
6674707	7194285	1361469	transmembrane 4 L six family member 4	Tm4sf4	116467	1,05	down
6698420	7194285	1361471	transmembrane 4 L six family member 4	Tm4sf4	116467	2,18	up
5648409	7059908	1031314	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,39	up
5805320	7059908	1031313	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,50	up
5828242	7059908	1031311	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,07	down
6006678	7059908	1031308	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,67	down
6072455	7059908	1031305	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,37	up
6142251	7059908	1031307	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,70	down
6495653	7059908	1031306	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,59	down
6570067	7059908	1031304	transmembrane 7 superfamily member 2	Tm7sf2	293688	2,31	up
6622416	7059908	1031310	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,06	down
6664430	7059908	1031309	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,42	down
6675481	7059908	1031312	transmembrane 7 superfamily member 2	Tm7sf2	293688	1,26	up
5726734	7234040	1458505	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,12	down
5783589	7234040	1458491	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,43	down
5799415	7234040	1458496	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,04	down
5952302	7234040	1458485	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,08	down

5991743	7234040	1458492	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,00	up
6002380	7234040	1458489	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,04	up
6017996	7234040	1458482	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,10	down
6094262	7234040	1458488	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,04	up
6116582	7234040	1458505	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,29	down
6143653	7234040	1458497	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,01	down
6170597	7234040	1458494	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,06	up
6191963	7234040	1458495	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,09	down
6230682	7234040	1458485	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,39	up
6450833	7234040	1458493	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,12	up
6471703	7234040	1458487	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,02	up
6505971	7234040	1458502	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,06	down
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	1,07	down
6543748	7234040	1458503	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,02	up
6609863	7234040	1458486	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,03	down
6663249	7234040	1458500	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,07	down
6730344	7234040	1458504	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,24	down
6564322	7111066	1154950	transmembrane and coiled-coil domain family 2	Tmcc2	305095	1,37	up
6665598	7111066	1154968	transmembrane and coiled-coil domain family 2	Tmcc2	305095	2,01	up
5787350	7313905	1656856	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,28	up
5808546	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,23	up
5940057	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,13	down
5947085	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,01	up
5992204	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,20	up
6049931	7313905	1656858	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,07	up
6168795	7313905	1656858	transmembrane and coiled-coil domain family 3	Tmcc3	314751	2,12	down
6194461	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,05	up
6326752	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,12	up
6368808	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,00	down
6505845	7313905	1656838	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,48	down
6545476	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,31	up
5666598	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	1,14	up
5683337	7153571	1259037	transmembrane and coiled-coil domains 3	Tmco3	306607	1,37	down
5763550	7153571	1259037	transmembrane and coiled-coil domains 3	Tmco3	306607	1,22	up
5801022	7153571	1259034	transmembrane and coiled-coil domains 3	Tmco3	306607	1,28	down
5823327	7153571	1259028	transmembrane and coiled-coil domains 3	Tmco3	306607	1,59	down
5883350	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	2,61	up
5932562	7153571	1259031	transmembrane and coiled-coil domains 3	Tmco3	306607	1,23	down
5999265	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	1,10	up
6143549	7153571	1259021	transmembrane and coiled-coil domains 3	Tmco3	306607	1,06	up
6196177	7153571	1259023	transmembrane and coiled-coil domains 3	Tmco3	306607	1,15	down
6216350	7153571	1259029	transmembrane and coiled-coil domains 3	Tmco3	306607	1,11	up
6257704	7153571	1259037	transmembrane and coiled-coil domains 3	Tmco3	306607	1,23	up
6278880	7153571	1259021	transmembrane and coiled-coil domains 3	Tmco3	306607	1,07	up
6287672	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	1,94	up
6365707	7153571	1259035	transmembrane and coiled-coil domains 3	Tmco3	306607	1,06	down
6395858	7153571	1259036	transmembrane and coiled-coil domains 3	Tmco3	306607	1,00	down
6433534	7153571	1259034	transmembrane and coiled-coil domains 3	Tmco3	306607	1,02	up
6559768	7153571	1259027	transmembrane and coiled-coil domains 3	Tmco3	306607	1,11	down
6673540	7153571	1259030	transmembrane and coiled-coil domains 3	Tmco3	306607	1,14	down
5620667	7280959	1575049	transmembrane and coiled-coil domains 4	Tmco4	500573	1,15	up
5628908	7280959	1575044	transmembrane and coiled-coil domains 4	Tmco4	500573	2,32	up
5795031	7280959	1575048	transmembrane and coiled-coil domains 4	Tmco4	500573	1,37	down
5820917	7280959	1575053	transmembrane and coiled-coil domains 4	Tmco4	500573	1,11	up
5951754	7280959	1575051	transmembrane and coiled-coil domains 4	Tmco4	500573	1,03	up

5979771	7280959	1575045	transmembrane and coiled-coil domains 4	Tmco4	500573	1,17	up
6034469	7280959	1575050	transmembrane and coiled-coil domains 4	Tmco4	500573	1,07	down
6114856	7280959	1575042	transmembrane and coiled-coil domains 4	Tmco4	500573	1,27	up
6153262	7280959	1575040	transmembrane and coiled-coil domains 4	Tmco4	500573	1,04	up
6341887	7280959	1575043	transmembrane and coiled-coil domains 4	Tmco4	500573	1,23	up
6371474	7280959	1575052	transmembrane and coiled-coil domains 4	Tmco4	500573	2,56	up
6433548	7280959	1575047	transmembrane and coiled-coil domains 4	Tmco4	500573	1,05	up
6636900	7280959	1575052	transmembrane and coiled-coil domains 4	Tmco4	500573	1,17	down
5626832	7142416	1231810	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,15	down
5652886	7142416	1231786	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,08	up
5883320	7142416	1231802	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,37	down
5905198	7142416	1231800	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,05	down
5925113	7142416	1231792	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,94	up
5928275	7142416	1231811	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,13	down
5983145	7142416	1231809	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,31	down
6041586	7142416	1231813	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,23	down
6045861	7142416	1231793	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,07	down
6052180	7142416	1231786	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,09	down
6062459	7142416	1231795	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,25	down
6102273	7142416	1231792	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,51	down
6122791	7142416	1231797	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,21	down
6175573	7142416	1231794	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,04	up
6199014	7142416	1231813	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,21	up
6287648	7142416	1231786	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,86	down
6331004	7142416	1231787	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,17	down
6478393	7142416	1231791	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,21	down
6546798	7142416	1231819	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,85	up
6555028	7142416	1231790	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,31	down
6561099	7142416	1231796	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,21	down
6563175	7142416	1231798	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,16	down
5639650	7363718	1778525	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,01	down
5811030	7363718	1778519	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	2,03	down
5825247	7363718	1778527	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,09	up
5852888	7363718	1778528	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,37	down
5986376	7363718	1778520	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,88	down
6028721	7363718	1778522	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,03	down
6057698	7363718	1778529	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	2,17	down
6214631	7363718	1778524	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,11	up
6405140	7363718	1778526	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,03	down
6408046	7363718	1778530	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	2,24	down
6559553	7363718	1778523	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,31	up
6589439	7363718	1778530	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	2,14	down
6672638	7363718	1778521	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,09	up
5748621	7315441	1660631	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,10	up
5854595	7315441	1660632	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,45	up
5855357	7315441	1660633	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,59	down
5895043	7315441	1660626	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	2,67	down
6134528	7315441	1660626	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,06	down
6209102	7315441	1660629	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,04	down
6419524	7315441	1660627	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,01	up
6570420	7315441	1660628	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,03	up
6577900	7315441	1660630	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,22	up
5622465	7175355	1313243	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,04	down
5960996	7175355	1313243	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,10	up
5991993	7175355	1313240	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,81	down
6262150	7175355	1313241	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,60	down

6377215	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,03	up
6390336	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,18	down
6522373	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,35	down
6557265	7175355	1313239	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,39	down
6614908	7175355	1313240	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,32	down
6722274	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,98	down
5767198	7221420	1426254	transmembrane protease, serine 3	Tmprss3	309665	1,34	down
5799582	7221420	1426252	transmembrane protease, serine 3	Tmprss3	309665	1,32	down
5812230	7221420	1426259	transmembrane protease, serine 3	Tmprss3	309665	1,00	down
5879590	7221420	1426245	transmembrane protease, serine 3	Tmprss3	309665	1,00	down
5978820	7221420	1426250	transmembrane protease, serine 3	Tmprss3	309665	1,31	up
6038279	7221420	1426245	transmembrane protease, serine 3	Tmprss3	309665	1,45	up
6112991	7221420	1426243	transmembrane protease, serine 3	Tmprss3	309665	1,45	down
6128890	7221420	1426258	transmembrane protease, serine 3	Tmprss3	309665	1,19	down
6242902	7221420	1426253	transmembrane protease, serine 3	Tmprss3	309665	1,28	down
6277946	7221420	1426244	transmembrane protease, serine 3	Tmprss3	309665	1,22	up
6287384	7221420	1426256	transmembrane protease, serine 3	Tmprss3	309665	1,05	up
6288494	7221420	1426255	transmembrane protease, serine 3	Tmprss3	309665	1,04	up
6322683	7221420	1426260	transmembrane protease, serine 3	Tmprss3	309665	2,10	up
6382187	7221420	1426261	transmembrane protease, serine 3	Tmprss3	309665	1,21	up
6541661	7221420	1426246	transmembrane protease, serine 3	Tmprss3	309665	1,14	up
6670543	7221420	1426248	transmembrane protease, serine 3	Tmprss3	309665	1,02	down
5627755	7102369	1133416	transmembrane protein 116	Tmem116	690442	1,11	up
5717855	7102369	1133429	transmembrane protein 116	Tmem116	690442	1,53	down
6162977	7102369	1133430	transmembrane protein 116	Tmem116	690442	1,26	up
6220305	7102369	1133418	transmembrane protein 116	Tmem116	690442	1,15	down
6363197	7102369	1133416	transmembrane protein 116	Tmem116	690442	1,40	up
6418283	7102369	1133421	transmembrane protein 116	Tmem116	690442	1,25	down
6460621	7102369	1133423	transmembrane protein 116	Tmem116	690442	1,14	down
6489539	7102369	1133417	transmembrane protein 116	Tmem116	690442	1,18	down
6559258	7102369	1133432	transmembrane protein 116	Tmem116	690442	1,06	up
6600870	7102369	1133420	transmembrane protein 116	Tmem116	690442	2,09	down
6643809	7102369	1133425	transmembrane protein 116	Tmem116	690442	1,06	down
5793794	7059702	1030772	transmembrane protein 151A	Tmem151a	309158	1,05	up
5912969	7059702	1030773	transmembrane protein 151A	Tmem151a	309158	2,26	up
5918428	7059702	1030772	transmembrane protein 151A	Tmem151a	309158	4,39	up
5870128	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,06	up
5885811	7380452	1821692	transmembrane protein 164	Tmem164	367763	1,01	down
6093655	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,19	up
6170173	7380452	1821680	transmembrane protein 164	Tmem164	367763	1,26	up
6450885	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,01	down
6470055	7380452	1821685	transmembrane protein 164	Tmem164	367763	1,08	up
6473244	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,03	down
6528362	7380452	1821702	transmembrane protein 164	Tmem164	367763	1,02	up
6595498	7380452	1821688	transmembrane protein 164	Tmem164	367763	1,12	up
5668065	7264577	1533800	transmembrane protein 176B	Tmem176b	171411	1,04	down
6094573	7264577	1533801	transmembrane protein 176B	Tmem176b	171411	2,21	up
6145964	7264577	1533803	transmembrane protein 176B	Tmem176b	171411	1,05	down
6314061	7264577	1533800	transmembrane protein 176B	Tmem176b	171411	1,32	down
6323690	7264577	1533804	transmembrane protein 176B	Tmem176b	171411	1,02	down
6379743	7264577	1533805	transmembrane protein 176B	Tmem176b	171411	1,45	down
6462272	7264577	1533802	transmembrane protein 176B	Tmem176b	171411	1,15	up
5672288	7060195	1031959	transmembrane protein 179B	Tmem179b	690263	1,24	down
5978889	7060195	1031960	transmembrane protein 179B	Tmem179b	690263	1,12	up
6381449	7060195	1031961	transmembrane protein 179B	Tmem179b	690263	1,40	up
6601327	7060195	1031959	transmembrane protein 179B	Tmem179b	690263	1,09	down

5663839	7064905	1043438	transmembrane protein 186	Tmem186	497863	1,18	down
5790968	7064905	1043436	transmembrane protein 186	Tmem186	497863	1,00	down
6273094	7064905	1043438	transmembrane protein 186	Tmem186	497863	2,42	up
6367493	7064905	1043436	transmembrane protein 186	Tmem186	497863	2,21	down
6538279	7064905	1043438	transmembrane protein 186	Tmem186	497863	1,31	down
6543552	7064905	1043438	transmembrane protein 186	Tmem186	497863	1,30	up
6552293	7064905	1043438	transmembrane protein 186	Tmem186	497863	1,09	up
5655913	7297483	1615247	transmembrane protein 195	Tmem195	362732	1,61	up
5805823	7297483	1615251	transmembrane protein 195	Tmem195	362732	1,01	up
5844208	7297483	1615247	transmembrane protein 195	Tmem195	362732	1,20	down
5976875	7297483	1615270	transmembrane protein 195	Tmem195	362732	1,20	up
6031139	7297483	1615270	transmembrane protein 195	Tmem195	362732	1,05	up
6219943	7297483	1615248	transmembrane protein 195	Tmem195	362732	1,61	up
6221477	7297483	1615282	transmembrane protein 195	Tmem195	362732	1,69	down
6348198	7297483	1615277	transmembrane protein 195	Tmem195	362732	1,36	down
6378387	7297483	1615296	transmembrane protein 195	Tmem195	362732	1,09	up
6390210	7297483	1615284	transmembrane protein 195	Tmem195	362732	1,17	down
6391682	7297483	1615278	transmembrane protein 195	Tmem195	362732	1,02	down
6473025	7297483	1615279	transmembrane protein 195	Tmem195	362732	1,10	down
6510604	7297483	1615289	transmembrane protein 195	Tmem195	362732	1,01	up
6643150	7297483	1615288	transmembrane protein 195	Tmem195	362732	1,16	up
6673731	7297483	1615283	transmembrane protein 195	Tmem195	362732	2,16	up
6678474	7297483	1615247	transmembrane protein 195	Tmem195	362732	1,00	up
6690277	7297483	1615266	transmembrane protein 195	Tmem195	362732	1,08	up
5959270	7025681	950460	transmembrane protein 200A	Tmem200a	498987	1,17	down
6016441	7025681	950461	transmembrane protein 200A	Tmem200a	498987	1,11	up
6289426	7025681	950461	transmembrane protein 200A	Tmem200a	498987	1,18	down
6446642	7025681	950460	transmembrane protein 200A	Tmem200a	498987	2,44	down
6588356	7025681	950474	transmembrane protein 200A	Tmem200a	498987	1,05	down
6641683	7025681	950473	transmembrane protein 200A	Tmem200a	498987	1,46	up
5641248	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,51	down
5753917	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,32	up
5800685	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,12	down
5974178	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,79	down
6026321	7344836	1732407	transmembrane protein 25	Tmem25	689172	1,59	down
6194705	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,45	up
6220459	7344836	1732408	transmembrane protein 25	Tmem25	689172	1,36	down
6261432	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,26	down
6262456	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,08	up
6303689	7344836	1732408	transmembrane protein 25	Tmem25	689172	1,64	down
6327437	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,38	up
6402086	7344836	1732409	transmembrane protein 25	Tmem25	689172	2,04	down
5949936	7231775	1452121	transmembrane protein 62	Tmem62	311350	1,67	down
5703139	7352100	1750206	transmembrane protein 63b	Tmem63b	363197	1,00	down
5926281	7352100	1750199	transmembrane protein 63b	Tmem63b	363197	1,11	up
5990979	7352100	1750197	transmembrane protein 63b	Tmem63b	363197	1,28	up
6061079	7352100	1750195	transmembrane protein 63b	Tmem63b	363197	1,03	down
6073397	7352100	1750213	transmembrane protein 63b	Tmem63b	363197	1,06	down
6099869	7352100	1750211	transmembrane protein 63b	Tmem63b	363197	1,18	up
6127933	7352100	1750208	transmembrane protein 63b	Tmem63b	363197	1,05	up
6156365	7352100	1750202	transmembrane protein 63b	Tmem63b	363197	1,07	down
6166497	7352100	1750190	transmembrane protein 63b	Tmem63b	363197	1,35	up
6169310	7352100	1750214	transmembrane protein 63b	Tmem63b	363197	1,03	down
6230294	7352100	1750192	transmembrane protein 63b	Tmem63b	363197	1,39	up
6279873	7352100	1750196	transmembrane protein 63b	Tmem63b	363197	1,26	up
6284515	7352100	1750194	transmembrane protein 63b	Tmem63b	363197	1,17	down

6432190	7352100	1750207	transmembrane protein 63b	Tmem63b	363197	1,24	down
6444025	7352100	1750205	transmembrane protein 63b	Tmem63b	363197	1,03	down
6510340	7352100	1750212	transmembrane protein 63b	Tmem63b	363197	1,11	down
6528386	7352100	1750200	transmembrane protein 63b	Tmem63b	363197	1,07	down
6532983	7352100	1750209	transmembrane protein 63b	Tmem63b	363197	1,19	down
6609280	7352100	1750204	transmembrane protein 63b	Tmem63b	363197	1,07	up
6632989	7352100	1750198	transmembrane protein 63b	Tmem63b	363197	1,12	up
6721516	7352100	1750201	transmembrane protein 63b	Tmem63b	363197	1,29	down
6736778	7352100	1750210	transmembrane protein 63b	Tmem63b	363197	1,31	down
5625647	7300446	1622878	transmembrane protein 63c	Tmem63c	314332	1,51	up
5699540	7300446	1622851	transmembrane protein 63c	Tmem63c	314332	1,34	down
5829315	7300446	1622865	transmembrane protein 63c	Tmem63c	314332	1,02	up
5904458	7300446	1622846	transmembrane protein 63c	Tmem63c	314332	1,33	up
5910910	7300446	1622860	transmembrane protein 63c	Tmem63c	314332	1,13	down
5946917	7300446	1622871	transmembrane protein 63c	Tmem63c	314332	1,13	down
5996964	7300446	1622857	transmembrane protein 63c	Tmem63c	314332	1,42	down
6000719	7300446	1622867	transmembrane protein 63c	Tmem63c	314332	1,08	down
6048745	7300446	1622868	transmembrane protein 63c	Tmem63c	314332	1,08	up
6129498	7300446	1622848	transmembrane protein 63c	Tmem63c	314332	1,00	up
6138714	7300446	1622874	transmembrane protein 63c	Tmem63c	314332	1,38	down
6141756	7300446	1622855	transmembrane protein 63c	Tmem63c	314332	1,51	down
6171685	7300446	1622843	transmembrane protein 63c	Tmem63c	314332	1,93	up
6205366	7300446	1622877	transmembrane protein 63c	Tmem63c	314332	1,09	down
6211279	7300446	1622846	transmembrane protein 63c	Tmem63c	314332	1,28	up
6254942	7300446	1622850	transmembrane protein 63c	Tmem63c	314332	1,09	down
6336796	7300446	1622873	transmembrane protein 63c	Tmem63c	314332	1,24	up
6373663	7300446	1622869	transmembrane protein 63c	Tmem63c	314332	1,22	down
6394822	7300446	1622875	transmembrane protein 63c	Tmem63c	314332	1,07	up
6510579	7300446	1622852	transmembrane protein 63c	Tmem63c	314332	1,31	up
6517698	7300446	1622856	transmembrane protein 63c	Tmem63c	314332	1,28	down
6523082	7300446	1622870	transmembrane protein 63c	Tmem63c	314332	1,28	down
6526640	7300446	1622864	transmembrane protein 63c	Tmem63c	314332	1,52	up
6615210	7300446	1622872	transmembrane protein 63c	Tmem63c	314332	1,11	up
6679592	7300446	1622863	transmembrane protein 63c	Tmem63c	314332	1,01	up
6731751	7300446	1622866	transmembrane protein 63c	Tmem63c	314332	1,03	up
6737908	7300446	1622853	transmembrane protein 63c	Tmem63c	314332	1,11	down
6741387	7300446	1622862	transmembrane protein 63c	Tmem63c	314332	1,33	up
5721045	7079673	1078748	transmembrane protein 93	Tmem93	287477	1,19	down
6096818	7079673	1078747	transmembrane protein 93	Tmem93	287477	3,79	down
6632723	7079673	1078746	transmembrane protein 93	Tmem93	287477	1,27	up
6711187	7079673	1078748	transmembrane protein 93	Tmem93	287477	1,22	down
5636449	7220923	1425065	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,40	up
5758490	7220923	1425064	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,01	down
5878895	7220923	1425067	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,25	down
6023947	7220923	1425060	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,13	down
6146251	7220923	1425058	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	2,21	down
6170893	7220923	1425059	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,40	down
6232105	7220923	1425068	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	2,05	up
6277959	7220923	1425058	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	3,62	down
6377398	7220923	1425061	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,14	down
6474899	7220923	1425063	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,13	up
6504909	7220923	1425062	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,35	up
6556769	7220923	1425066	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,22	up
5713592	7220903	1425027	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,10	down
5794466	7220903	1425026	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,37	up
5847536	7220903	1425024	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,30	down

6021014	7220903	1425022	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	4,24	down
6022555	7220903	1425023	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,47	down
6102439	7220903	1425028	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,28	down
6112189	7220903	1425031	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,00	up
6147728	7220903	1425032	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,70	up
6249575	7220903	1425031	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,67	up
6352081	7220903	1425025	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	4,61	down
6432766	7220903	1425029	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,34	up
6591426	7220903	1425030	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,46	up
6608000	7220903	1425021	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	3,67	down
6644934	7220903	1425030	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,45	up
5651864	7176235	1315254	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,47	down
5657146	7176235	1315234	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,36	down
5685752	7176235	1315251	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,32	down
5718546	7176235	1315265	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,67	up
5728989	7176235	1315234	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,18	down
5773376	7176235	1315263	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,52	up
5815718	7176235	1315261	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,87	up
5849156	7176235	1315259	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,05	down
5970434	7176235	1315248	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,09	down
5970612	7176235	1315247	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,00	up
5999875	7176235	1315239	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,07	down
6049442	7176235	1315251	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,13	down
6135866	7176235	1315240	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,08	up
6176320	7176235	1315234	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,01	up
6201904	7176235	1315238	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,56	up
6208537	7176235	1315258	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,43	up
6244212	7176235	1315237	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,05	up
6252055	7176235	1315253	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,66	down
6304421	7176235	1315253	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,07	down
6306068	7176235	1315245	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,19	down
6348167	7176235	1315253	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,12	down
6366110	7176235	1315235	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,09	down
6418756	7176235	1315244	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,78	up
6462545	7176235	1315246	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,06	up
6488217	7176235	1315249	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,30	up
6512429	7176235	1315243	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,52	up
6525907	7176235	1315238	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,47	up
6536355	7176235	1315255	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,03	up
6587262	7176235	1315257	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,37	down
6597871	7176235	1315240	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,25	up
6645856	7176235	1315237	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,26	down
6651982	7176235	1315250	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,40	up
5627015	7196803	1367339	trinucleotide repeat containing 4	Tnrc4	499669	1,07	down
5647947	7196803	1367335	trinucleotide repeat containing 4	Tnrc4	499669	1,04	up
5706193	7196803	1367344	trinucleotide repeat containing 4	Tnrc4	499669	1,24	down
5794572	7196803	1367338	trinucleotide repeat containing 4	Tnrc4	499669	1,39	up
5978364	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	1,33	down
6010408	7196803	1367333	trinucleotide repeat containing 4	Tnrc4	499669	1,21	down
6106186	7196803	1367337	trinucleotide repeat containing 4	Tnrc4	499669	1,09	up
6199845	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	1,03	down
6302647	7196803	1367340	trinucleotide repeat containing 4	Tnrc4	499669	1,02	up
6416532	7196803	1367340	trinucleotide repeat containing 4	Tnrc4	499669	1,03	down
6469936	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	1,03	down
6506792	7196803	1367336	trinucleotide repeat containing 4	Tnrc4	499669	1,21	up
6623865	7196803	1367341	trinucleotide repeat containing 4	Tnrc4	499669	1,11	down

6695509	7196803	1367329	trinucleotide repeat containing 4	Tnrc4	499669	1,15	down
6715579	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	3,17	up
6730988	7196803	1367338	trinucleotide repeat containing 4	Tnrc4	499669	1,02	down
5661620	7036559	977261	trinucleotide repeat containing 6a	Tnrc6a	308971	1,03	down
5670141	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	1,22	up
5703317	7036559	977263	trinucleotide repeat containing 6a	Tnrc6a	308971	1,50	down
5714440	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	1,23	down
5714656	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	1,18	down
5717861	7036559	977251	trinucleotide repeat containing 6a	Tnrc6a	308971	1,04	down
5730607	7036559	977252	trinucleotide repeat containing 6a	Tnrc6a	308971	1,22	up
5781894	7036559	977263	trinucleotide repeat containing 6a	Tnrc6a	308971	1,44	down
5798895	7036559	977261	trinucleotide repeat containing 6a	Tnrc6a	308971	1,08	up
5808797	7036559	977263	trinucleotide repeat containing 6a	Tnrc6a	308971	1,03	up
5824910	7036559	977237	trinucleotide repeat containing 6a	Tnrc6a	308971	1,34	up
5841546	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	2,56	down
5893394	7036559	977250	trinucleotide repeat containing 6a	Tnrc6a	308971	1,13	up
5899270	7036559	977234	trinucleotide repeat containing 6a	Tnrc6a	308971	1,14	up
5927489	7036559	977250	trinucleotide repeat containing 6a	Tnrc6a	308971	1,04	down
5933638	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	1,16	up
6078839	7036559	977242	trinucleotide repeat containing 6a	Tnrc6a	308971	1,19	down
6090810	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	1,27	down
6092091	7036559	977261	trinucleotide repeat containing 6a	Tnrc6a	308971	1,17	down
6116213	7036559	977254	trinucleotide repeat containing 6a	Tnrc6a	308971	1,22	down
6128820	7036559	977240	trinucleotide repeat containing 6a	Tnrc6a	308971	1,03	up
6166647	7036559	977241	trinucleotide repeat containing 6a	Tnrc6a	308971	1,22	up
6274441	7036559	977245	trinucleotide repeat containing 6a	Tnrc6a	308971	1,39	up
6276016	7036559	977242	trinucleotide repeat containing 6a	Tnrc6a	308971	1,01	down
6291054	7036559	977263	trinucleotide repeat containing 6a	Tnrc6a	308971	1,10	down
6331383	7036559	977262	trinucleotide repeat containing 6a	Tnrc6a	308971	1,00	up
6332843	7036559	977259	trinucleotide repeat containing 6a	Tnrc6a	308971	1,37	down
6367673	7036559	977248	trinucleotide repeat containing 6a	Tnrc6a	308971	1,31	down
6386413	7036559	977258	trinucleotide repeat containing 6a	Tnrc6a	308971	1,13	up
6399742	7036559	977244	trinucleotide repeat containing 6a	Tnrc6a	308971	1,24	up
6433738	7036559	977256	trinucleotide repeat containing 6a	Tnrc6a	308971	1,28	up
6441392	7036559	977255	trinucleotide repeat containing 6a	Tnrc6a	308971	1,13	up
6526787	7036559	977247	trinucleotide repeat containing 6a	Tnrc6a	308971	1,23	down
6527144	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	1,19	down
6577623	7036559	977258	trinucleotide repeat containing 6a	Tnrc6a	308971	1,09	up
6648914	7036559	977243	trinucleotide repeat containing 6a	Tnrc6a	308971	1,01	down
6649987	7036559	977253	trinucleotide repeat containing 6a	Tnrc6a	308971	1,07	up
6707375	7036559	977257	trinucleotide repeat containing 6a	Tnrc6a	308971	1,07	up
6737320	7036559	977260	trinucleotide repeat containing 6a	Tnrc6a	308971	1,11	up
5618135	7210263	1399744	tripartite motif protein 2	Trim2	361970	1,10	up
5679470	7210263	1399754	tripartite motif protein 2	Trim2	361970	1,25	up
5749568	7210263	1399734	tripartite motif protein 2	Trim2	361970	1,39	up
5789546	7210263	1399745	tripartite motif protein 2	Trim2	361970	1,52	up
5861243	7210263	1399737	tripartite motif protein 2	Trim2	361970	1,45	down
5931652	7210263	1399736	tripartite motif protein 2	Trim2	361970	1,05	down
6061872	7210263	1399744	tripartite motif protein 2	Trim2	361970	1,41	down
6157531	7210263	1399733	tripartite motif protein 2	Trim2	361970	1,04	up
6362487	7210263	1399754	tripartite motif protein 2	Trim2	361970	1,07	up
6387969	7210263	1399740	tripartite motif protein 2	Trim2	361970	1,33	down
6462082	7210263	1399733	tripartite motif protein 2	Trim2	361970	1,33	down
6521849	7210263	1399751	tripartite motif protein 2	Trim2	361970	1,22	down
6529071	7210263	1399740	tripartite motif protein 2	Trim2	361970	1,03	up
6568633	7210263	1399745	tripartite motif protein 2	Trim2	361970	1,42	up

6616720	7210263	1399741	tripartite motif protein 2	Trim2	361970	1,21	up
6693550	7210263	1399759	tripartite motif protein 2	Trim2	361970	1,26	down
5680305	7068073	1051178	tripartite motif-containing 11	Trim11	360534	1,01	up
5738312	7068073	1051169	tripartite motif-containing 11	Trim11	360534	1,19	up
5761369	7068073	1051176	tripartite motif-containing 11	Trim11	360534	1,10	up
5766232	7068073	1051170	tripartite motif-containing 11	Trim11	360534	1,12	down
5912492	7068073	1051166	tripartite motif-containing 11	Trim11	360534	1,27	up
5926515	7068073	1051177	tripartite motif-containing 11	Trim11	360534	1,66	up
6182221	7068073	1051176	tripartite motif-containing 11	Trim11	360534	2,18	down
6357814	7068073	1051166	tripartite motif-containing 11	Trim11	360534	1,33	down
6397169	7068073	1051177	tripartite motif-containing 11	Trim11	360534	1,21	down
6407513	7068073	1051166	tripartite motif-containing 11	Trim11	360534	1,19	up
6700251	7068073	1051177	tripartite motif-containing 11	Trim11	360534	1,09	down
5871523	7216414	1413954	tripartite motif-containing 39	Trim39	309591	1,16	down
5883778	7216414	1413954	tripartite motif-containing 39	Trim39	309591	1,55	up
5936703	7216414	1413955	tripartite motif-containing 39	Trim39	309591	1,10	up
5952507	7216414	1413950	tripartite motif-containing 39	Trim39	309591	1,12	down
6043682	7216414	1413952	tripartite motif-containing 39	Trim39	309591	2,17	down
6058987	7216414	1413952	tripartite motif-containing 39	Trim39	309591	1,01	up
6359484	7216414	1413949	tripartite motif-containing 39	Trim39	309591	1,10	down
6363067	7216414	1413953	tripartite motif-containing 39	Trim39	309591	1,06	up
6578391	7216414	1413951	tripartite motif-containing 39	Trim39	309591	1,05	up
5620636	7210780	1400871	tripartite motif-containing 46	Trim46	310641	1,01	up
5725449	7210780	1400870	tripartite motif-containing 46	Trim46	310641	1,01	down
5766739	7210780	1400861	tripartite motif-containing 46	Trim46	310641	1,13	up
5783940	7210780	1400872	tripartite motif-containing 46	Trim46	310641	1,43	up
5811271	7210780	1400868	tripartite motif-containing 46	Trim46	310641	1,09	up
5831985	7210780	1400869	tripartite motif-containing 46	Trim46	310641	1,35	up
5855079	7210780	1400871	tripartite motif-containing 46	Trim46	310641	1,02	up
6008254	7210780	1400871	tripartite motif-containing 46	Trim46	310641	2,12	up
6119132	7210780	1400873	tripartite motif-containing 46	Trim46	310641	1,04	down
6256283	7210780	1400861	tripartite motif-containing 46	Trim46	310641	1,40	up
6309664	7210780	1400871	tripartite motif-containing 46	Trim46	310641	1,17	down
6325872	7210780	1400876	tripartite motif-containing 46	Trim46	310641	1,01	down
6333745	7210780	1400871	tripartite motif-containing 46	Trim46	310641	1,18	up
6437027	7210780	1400864	tripartite motif-containing 46	Trim46	310641	1,01	up
6524803	7210780	1400872	tripartite motif-containing 46	Trim46	310641	1,16	down
6687103	7210780	1400867	tripartite motif-containing 46	Trim46	310641	1,51	up
5638056	7182056	1330576	tripartite motif-containing 67	Trim67	307938	1,14	down
5672333	7182056	1330591	tripartite motif-containing 67	Trim67	307938	1,04	up
5715022	7182056	1330592	tripartite motif-containing 67	Trim67	307938	1,00	up
5819820	7182056	1330589	tripartite motif-containing 67	Trim67	307938	1,06	down
6063616	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,69	down
6100482	7182056	1330579	tripartite motif-containing 67	Trim67	307938	1,03	down
6182060	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,20	down
6214365	7182056	1330588	tripartite motif-containing 67	Trim67	307938	1,10	up
6280606	7182056	1330583	tripartite motif-containing 67	Trim67	307938	1,02	down
6445940	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,65	up
6486776	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,05	down
6619670	7182056	1330586	tripartite motif-containing 67	Trim67	307938	1,21	down
6629633	7182056	1330577	tripartite motif-containing 67	Trim67	307938	1,53	up
6632098	7182056	1330584	tripartite motif-containing 67	Trim67	307938	1,23	down
6742158	7182056	1330590	tripartite motif-containing 67	Trim67	307938	1,02	down
6744687	7182056	1330587	tripartite motif-containing 67	Trim67	307938	1,04	down
5631739	7073673	1065086	tRNA splicing endonuclease 54 homolog (<i>S. cerevisiae</i>)	Tsen54	690308	1,07	up
5637894	7073673	1065085	tRNA splicing endonuclease 54 homolog (<i>S. cerevisiae</i>)	Tsen54	690308	1,21	down

5639476	7073673	1065091	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,11	down
5673726	7073673	1065083	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,10	down
5784970	7073673	1065087	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,17	up
5788574	7073673	1065091	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,01	down
5831626	7073673	1065091	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,02	up
6063489	7073673	1065082	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,19	down
6079521	7073673	1065088	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,14	up
6103970	7073673	1065088	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,30	up
6294180	7073673	1065084	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,14	down
6336869	7073673	1065090	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,17	down
6409352	7073673	1065089	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,16	up
6599291	7073673	1065089	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,28	up
5932114	7274794	1559324	tropomodulin 1	Tmod1	25566	1,85	down
5962699	7274794	1559328	tropomodulin 1	Tmod1	25566	1,52	up
6016207	7274794	1559325	tropomodulin 1	Tmod1	25566	1,05	down
6066308	7274794	1559322	tropomodulin 1	Tmod1	25566	1,05	up
6078022	7274794	1559321	tropomodulin 1	Tmod1	25566	1,70	up
6248449	7274794	1559323	tropomodulin 1	Tmod1	25566	2,12	up
6313185	7274794	1559320	tropomodulin 1	Tmod1	25566	1,25	down
6445486	7274794	1559329	tropomodulin 1	Tmod1	25566	1,27	down
6468139	7274794	1559319	tropomodulin 1	Tmod1	25566	1,02	up
6570981	7274794	1559327	tropomodulin 1	Tmod1	25566	1,07	down
6645912	7274794	1559319	tropomodulin 1	Tmod1	25566	1,69	up
6735896	7274794	1559326	tropomodulin 1	Tmod1	25566	1,16	down
5671480	7196361	1366440	tropomyosin 3, gamma	Tpm3	117557	1,16	up
5780217	7196361	1366437	tropomyosin 3, gamma	Tpm3	117557	1,34	down
5848541	7196361	1366446	tropomyosin 3, gamma	Tpm3	117557	1,21	up
5867743	7196361	1366438	tropomyosin 3, gamma	Tpm3	117557	1,00	down
6008122	7196361	1366437	tropomyosin 3, gamma	Tpm3	117557	1,05	down
6112649	7196361	1366444	tropomyosin 3, gamma	Tpm3	117557	1,85	up
6186235	7196361	1366445	tropomyosin 3, gamma	Tpm3	117557	1,52	up
6203554	7196361	1366441	tropomyosin 3, gamma	Tpm3	117557	1,23	down
6341586	7196361	1366443	tropomyosin 3, gamma	Tpm3	117557	1,09	up
6420686	7196361	1366442	tropomyosin 3, gamma	Tpm3	117557	2,01	down
6448688	7196361	1366439	tropomyosin 3, gamma	Tpm3	117557	1,10	up
6588435	7196361	1366436	tropomyosin 3, gamma	Tpm3	117557	1,36	down
6702652	7196361	1366444	tropomyosin 3, gamma	Tpm3	117557	1,34	down
5644389	7310471	1648615	tryptophanyl-tRNA synthetase	Wars	314442	1,07	down
5756648	7310471	1648607	tryptophanyl-tRNA synthetase	Wars	314442	1,01	up
5794729	7310471	1648609	tryptophanyl-tRNA synthetase	Wars	314442	1,24	up
5846344	7310471	1648605	tryptophanyl-tRNA synthetase	Wars	314442	3,06	down
5909556	7310471	1648615	tryptophanyl-tRNA synthetase	Wars	314442	1,14	up
6005564	7310471	1648612	tryptophanyl-tRNA synthetase	Wars	314442	1,15	up
6184263	7310471	1648611	tryptophanyl-tRNA synthetase	Wars	314442	1,04	down
6208158	7310471	1648610	tryptophanyl-tRNA synthetase	Wars	314442	1,32	up
6264683	7310471	1648608	tryptophanyl-tRNA synthetase	Wars	314442	1,14	up
6275237	7310471	1648607	tryptophanyl-tRNA synthetase	Wars	314442	1,04	down
6418357	7310471	1648615	tryptophanyl-tRNA synthetase	Wars	314442	1,43	up
6530870	7310471	1648606	tryptophanyl-tRNA synthetase	Wars	314442	1,08	down
6600835	7310471	1648614	tryptophanyl-tRNA synthetase	Wars	314442	2,20	down
6700053	7310471	1648613	tryptophanyl-tRNA synthetase	Wars	314442	1,07	down
6216475	7356115	1760135	tubulin tyrosine ligase-like family, member 4	Ttl4	690512	1,04	up
5625501	7200545	1376893	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,16	down
5778388	7200545	1376936	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,41	down
5811139	7200545	1376919	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,48	down
5874200	7200545	1376936	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,57	down

5988004	7200545	1376892	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,11	up
6093533	7200545	1376918	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,36	down
6124421	7200545	1376895	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,09	up
6166512	7200545	1376930	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,28	down
6241152	7200545	1376889	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,15	up
6306509	7200545	1376896	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,02	down
6486107	7200545	1376926	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,25	up
6681175	7200545	1376893	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,44	down
6740025	7200545	1376887	tubulin tyrosine ligase-like family, member 7	Ttl17	310982	1,53	up
5633824	7072231	1061425	tubulin, gamma 1	Tubg1	252921	2,26	down
5686504	7072231	1061413	tubulin, gamma 1	Tubg1	252921	1,64	up
5812274	7072231	1061420	tubulin, gamma 1	Tubg1	252921	1,28	up
5840761	7072231	1061423	tubulin, gamma 1	Tubg1	252921	1,50	down
5898153	7072231	1061424	tubulin, gamma 1	Tubg1	252921	1,40	up
5912811	7072231	1061419	tubulin, gamma 1	Tubg1	252921	1,05	up
6046511	7072231	1061418	tubulin, gamma 1	Tubg1	252921	1,11	down
6096662	7072231	1061416	tubulin, gamma 1	Tubg1	252921	1,18	down
6149494	7072231	1061415	tubulin, gamma 1	Tubg1	252921	1,05	up
6555854	7072231	1061414	tubulin, gamma 1	Tubg1	252921	1,27	up
6569904	7072231	1061417	tubulin, gamma 1	Tubg1	252921	1,11	down
6601273	7072231	1061421	tubulin, gamma 1	Tubg1	252921	1,11	up
6627694	7072231	1061422	tubulin, gamma 1	Tubg1	252921	1,20	down
5635739	7032074	965624	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,09	up
5744436	7032074	965630	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,22	up
5759993	7032074	965628	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,40	up
5798289	7032074	965631	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,28	down
5842084	7032074	965629	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,09	up
5935065	7032074	965621	tubulin, gamma complex associated protein 5	Tubgcp5	308663	2,40	down
5940700	7032074	965625	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,14	up
6076372	7032074	965622	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,49	up
6086398	7032074	965627	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,17	up
6102074	7032074	965626	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,16	up
6136648	7032074	965630	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,03	up
6148834	7032074	965632	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,13	down
6172895	7032074	965629	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,51	down
6175412	7032074	965638	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,42	up
6246811	7032074	965637	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,23	down
6247139	7032074	965640	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,18	down
6316142	7032074	965626	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,06	up
6318907	7032074	965619	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,16	up
6428212	7032074	965617	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,01	down
6479394	7032074	965623	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,11	down
6482501	7032074	965635	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,16	down
6491761	7032074	965639	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,17	up
6512588	7032074	965634	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,01	down
6540066	7032074	965620	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,16	up
6547136	7032074	965633	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,03	up
6553453	7032074	965630	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,25	down
6686374	7032074	965640	tubulin, gamma complex associated protein 5	Tubgcp5	308663	2,88	down
6695502	7032074	965636	tubulin, gamma complex associated protein 5	Tubgcp5	308663	1,04	up
5770152	7369712	1794821	tubulin-specific chaperone d	Tbcd	360683	1,36	down
5780176	7369712	1794850	tubulin-specific chaperone d	Tbcd	360683	1,08	down
5793817	7369712	1794836	tubulin-specific chaperone d	Tbcd	360683	1,53	down
5824699	7369712	1794839	tubulin-specific chaperone d	Tbcd	360683	1,14	down
5842790	7369712	1794849	tubulin-specific chaperone d	Tbcd	360683	1,44	up
5883697	7369712	1794837	tubulin-specific chaperone d	Tbcd	360683	1,37	down

5920456	7369712	1794846	tubulin-specific chaperone d	Tbcd	360683	1,30	down
6056054	7369712	1794827	tubulin-specific chaperone d	Tbcd	360683	1,10	up
6072363	7369712	1794819	tubulin-specific chaperone d	Tbcd	360683	1,21	down
6097007	7369712	1794842	tubulin-specific chaperone d	Tbcd	360683	1,38	down
6172375	7369712	1794840	tubulin-specific chaperone d	Tbcd	360683	1,84	down
6263029	7369712	1794826	tubulin-specific chaperone d	Tbcd	360683	1,13	down
6273348	7369712	1794823	tubulin-specific chaperone d	Tbcd	360683	1,01	down
6299880	7369712	1794844	tubulin-specific chaperone d	Tbcd	360683	1,29	down
6300729	7369712	1794820	tubulin-specific chaperone d	Tbcd	360683	1,24	up
6302331	7369712	1794822	tubulin-specific chaperone d	Tbcd	360683	1,36	up
6330312	7369712	1794825	tubulin-specific chaperone d	Tbcd	360683	1,32	down
6415245	7369712	1794849	tubulin-specific chaperone d	Tbcd	360683	1,10	up
6530352	7369712	1794824	tubulin-specific chaperone d	Tbcd	360683	1,00	up
6544771	7369712	1794817	tubulin-specific chaperone d	Tbcd	360683	1,48	up
6644162	7369712	1794847	tubulin-specific chaperone d	Tbcd	360683	1,01	up
5628653	7291393	1600079	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,08	up
5653746	7291393	1600082	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,02	up
5707764	7291393	1600091	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,38	up
5716756	7291393	1600090	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	2,08	down
5725802	7291393	1600088	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,41	down
5921791	7291393	1600085	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,57	down
5924433	7291393	1600080	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,15	down
5952775	7291393	1600086	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,19	up
5993218	7291393	1600084	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,06	down
6074376	7291393	1600079	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,02	down
6117039	7291393	1600081	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,52	down
6132376	7291393	1600083	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,09	up
6172338	7291393	1600083	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,13	down
6369826	7291393	1600087	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,17	down
6590448	7291393	1600086	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,32	down
6635471	7291393	1600091	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,28	up
6677061	7291393	1600091	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,60	up
6685997	7291393	1600089	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,04	down
6739870	7050167	1009829	tudor domain containing 12	Tdrd12	292813	1,71	down
5709207	7112671	1158956	tudor domain containing 5	Tdrd5	289129	1,16	up
5719748	7112671	1158961	tudor domain containing 5	Tdrd5	289129	1,22	down
5747067	7112671	1158957	tudor domain containing 5	Tdrd5	289129	1,04	down
5788872	7112671	1158972	tudor domain containing 5	Tdrd5	289129	1,14	up
5859053	7112671	1158971	tudor domain containing 5	Tdrd5	289129	1,36	up
5886450	7112671	1158966	tudor domain containing 5	Tdrd5	289129	1,05	up
5886902	7112671	1158958	tudor domain containing 5	Tdrd5	289129	1,83	down
5936808	7112671	1158960	tudor domain containing 5	Tdrd5	289129	1,84	up
6080235	7112671	1158974	tudor domain containing 5	Tdrd5	289129	1,07	down
6088366	7112671	1158967	tudor domain containing 5	Tdrd5	289129	1,20	down
6139467	7112671	1158966	tudor domain containing 5	Tdrd5	289129	1,07	down
6161807	7112671	1158972	tudor domain containing 5	Tdrd5	289129	1,55	down
6325130	7112671	1158968	tudor domain containing 5	Tdrd5	289129	1,70	down
6385541	7112671	1158969	tudor domain containing 5	Tdrd5	289129	1,57	down
6407684	7112671	1158956	tudor domain containing 5	Tdrd5	289129	1,11	up
6435036	7112671	1158968	tudor domain containing 5	Tdrd5	289129	1,24	down
6450947	7112671	1158963	tudor domain containing 5	Tdrd5	289129	1,26	up
6474722	7112671	1158973	tudor domain containing 5	Tdrd5	289129	1,47	down
6522071	7112671	1158961	tudor domain containing 5	Tdrd5	289129	1,06	down
6627173	7112671	1158959	tudor domain containing 5	Tdrd5	289129	1,69	up
6699432	7112671	1158965	tudor domain containing 5	Tdrd5	289129	1,07	up
6729097	7112671	1158970	tudor domain containing 5	Tdrd5	289129	1,95	down

5624946	7302018	1626971	tudor domain containing 9	Tdrd9	299343	1,04	down
5635793	7302018	1626966	tudor domain containing 9	Tdrd9	299343	1,40	down
5774882	7302018	1626989	tudor domain containing 9	Tdrd9	299343	1,07	up
5782843	7302018	1626985	tudor domain containing 9	Tdrd9	299343	1,29	down
5810784	7302018	1626965	tudor domain containing 9	Tdrd9	299343	1,05	up
5824550	7302018	1626995	tudor domain containing 9	Tdrd9	299343	1,28	up
5878629	7302018	1626995	tudor domain containing 9	Tdrd9	299343	1,05	up
5995995	7302018	1626983	tudor domain containing 9	Tdrd9	299343	1,01	down
6005567	7302018	1626982	tudor domain containing 9	Tdrd9	299343	2,13	down
6037364	7302018	1626976	tudor domain containing 9	Tdrd9	299343	1,23	down
6075245	7302018	1626979	tudor domain containing 9	Tdrd9	299343	1,59	up
6129252	7302018	1626968	tudor domain containing 9	Tdrd9	299343	1,18	down
6136993	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,38	up
6146060	7302018	1626990	tudor domain containing 9	Tdrd9	299343	1,21	down
6177487	7302018	1626969	tudor domain containing 9	Tdrd9	299343	1,05	down
6202323	7302018	1626988	tudor domain containing 9	Tdrd9	299343	1,23	down
6202668	7302018	1626974	tudor domain containing 9	Tdrd9	299343	1,28	up
6261155	7302018	1626975	tudor domain containing 9	Tdrd9	299343	1,12	down
6301140	7302018	1626986	tudor domain containing 9	Tdrd9	299343	1,18	down
6365309	7302018	1626977	tudor domain containing 9	Tdrd9	299343	1,57	down
6366733	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,05	up
6390626	7302018	1626992	tudor domain containing 9	Tdrd9	299343	1,05	up
6434211	7302018	1626981	tudor domain containing 9	Tdrd9	299343	1,69	up
6446573	7302018	1626991	tudor domain containing 9	Tdrd9	299343	1,03	down
6448190	7302018	1626980	tudor domain containing 9	Tdrd9	299343	1,11	up
6451337	7302018	1626976	tudor domain containing 9	Tdrd9	299343	1,18	up
6547581	7302018	1626993	tudor domain containing 9	Tdrd9	299343	1,27	down
6572301	7302018	1626976	tudor domain containing 9	Tdrd9	299343	1,39	down
6574364	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,13	down
6595520	7302018	1626970	tudor domain containing 9	Tdrd9	299343	1,14	up
6646438	7302018	1626978	tudor domain containing 9	Tdrd9	299343	1,38	up
6678353	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,05	up
6694553	7302018	1626994	tudor domain containing 9	Tdrd9	299343	1,08	up
6745730	7302018	1626987	tudor domain containing 9	Tdrd9	299343	1,19	down
6156149	7140313	1226683	tumor necrosis factor (ligand) superfamily, member 11	Tnfsf11	117516	1,06	up
6213846	7140313	1226684	tumor necrosis factor (ligand) superfamily, member 11	Tnfsf11	117516	1,63	down
6248061	7140313	1226686	tumor necrosis factor (ligand) superfamily, member 11	Tnfsf11	117516	1,11	up
6526844	7140313	1226683	tumor necrosis factor (ligand) superfamily, member 11	Tnfsf11	117516	1,01	up
6609347	7140313	1226685	tumor necrosis factor (ligand) superfamily, member 11	Tnfsf11	117516	2,37	up
6668399	7140313	1226687	tumor necrosis factor (ligand) superfamily, member 11	Tnfsf11	117516	1,20	down
5863008	7103811	1137068	Tumor necrosis factor receptor superfamily, member 11a	Tnfrsf11a	498206	2,05	down
5886342	7103811	1137067	Tumor necrosis factor receptor superfamily, member 11a	Tnfrsf11a	498206	1,33	down
6742000	7103811	1137037	Tumor necrosis factor receptor superfamily, member 11a	Tnfrsf11a	498206	1,13	up
5673783	7293664	1605464	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	2,08	up
5704360	7293664	1605467	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,02	up
5706968	7293664	1605467	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,04	up
5747646	7293664	1605468	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,10	down
5902714	7293664	1605462	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,53	up
5953931	7293664	1605463	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,23	down
6047374	7293664	1605469	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,20	down
6116432	7293664	1605466	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,07	up
6198818	7293664	1605465	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,03	up
6328648	7293664	1605469	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	1,61	down
6600266	7293664	1605462	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediato	Tnfrsf14	366518	2,16	up
5718733	7292877	1603516	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,25	up
5801072	7292877	1603520	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,47	up

5827190	7292877	1603519	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,22	down
5906009	7292877	1603513	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,04	down
6002680	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,34	down
6015617	7292877	1603522	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,02	down
6041007	7292877	1603521	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,09	down
6093010	7292877	1603517	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,27	up
6102649	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,17	up
6152522	7292877	1603518	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	2,38	up
6321715	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,24	up
6434114	7292877	1603513	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,38	down
6472250	7292877	1603514	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,21	down
6599834	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,05	down
6656104	7292877	1603515	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,56	down
5728043	7191983	1355175	tumor protein D52	Tpd52	294900	1,28	up
5874649	7191983	1355175	tumor protein D52	Tpd52	294900	1,09	up
5932505	7191983	1355173	tumor protein D52	Tpd52	294900	2,12	down
6325826	7191983	1355164	tumor protein D52	Tpd52	294900	1,37	up
6398008	7191983	1355175	tumor protein D52	Tpd52	294900	1,00	down
6621794	7191983	1355161	tumor protein D52	Tpd52	294900	1,27	down
6645823	7191983	1355164	tumor protein D52	Tpd52	294900	1,13	down
6679473	7191983	1355166	tumor protein D52	Tpd52	294900	1,05	up
6715811	7191983	1355168	tumor protein D52	Tpd52	294900	1,03	down
5723769	7294897	1608488	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,03	up
5887689	7294897	1608485	tumor-associated calcium signal transducer 1	Tacstd1	171577	2,36	down
5941351	7294897	1608480	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,25	down
6072487	7294897	1608483	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,27	down
6089778	7294897	1608481	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,11	down
6295817	7294897	1608483	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,06	down
6351629	7294897	1608482	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,18	up
6515629	7294897	1608484	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,02	up
6532805	7294897	1608487	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,37	up
6585290	7294897	1608488	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,07	down
6691628	7294897	1608486	tumor-associated calcium signal transducer 1	Tacstd1	171577	1,03	down
5729074	7297292	1614693	TWIST neighbor	Twistnb	362728	1,35	up
6109250	7297292	1614693	TWIST neighbor	Twistnb	362728	1,18	up
6221009	7297292	1614693	TWIST neighbor	Twistnb	362728	1,36	up
6565380	7297292	1614691	TWIST neighbor	Twistnb	362728	1,22	down
6588231	7297292	1614690	TWIST neighbor	Twistnb	362728	2,50	down
6646044	7297292	1614693	TWIST neighbor	Twistnb	362728	1,22	up
6661480	7297292	1614693	TWIST neighbor	Twistnb	362728	1,10	down
6680336	7297292	1614692	TWIST neighbor	Twistnb	362728	1,19	up
5735383	7301022	1624282	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,04	up
5751472	7301022	1624263	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,81	down
5768149	7301022	1624261	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,15	down
5777915	7301022	1624270	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,00	up
5790163	7301022	1624282	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,01	down
5831510	7301022	1624267	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,01	up
5831519	7301022	1624269	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,07	up
5888835	7301022	1624266	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,02	up
5945594	7301022	1624256	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,02	up
6078221	7301022	1624266	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	2,02	down
6139629	7301022	1624272	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,52	up
6153663	7301022	1624256	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,26	up
6181376	7301022	1624258	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,75	up
6192045	7301022	1624268	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,27	down
6305193	7301022	1624280	tyrosyl-DNA phosphodiesterase 1	Tdp1	314380	1,42	up

6420821	7301022	1624282	tyrosyl-DNA phosphodiesterase I	Tdp1	314380	1,21	up
6435220	7301022	1624264	tyrosyl-DNA phosphodiesterase I	Tdp1	314380	1,17	down
6442446	7301022	1624274	tyrosyl-DNA phosphodiesterase I	Tdp1	314380	1,33	up
6520595	7301022	1624259	tyrosyl-DNA phosphodiesterase I	Tdp1	314380	1,66	up
5643541	7340494	1721234	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,23	up
5690202	7340494	1721243	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,31	up
5822546	7340494	1721240	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,24	up
5886882	7340494	1721231	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,02	up
5958590	7340494	1721236	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,02	up
5966266	7340494	1721243	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,37	down
5999280	7340494	1721237	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,20	down
6098596	7340494	1721232	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,12	down
6220695	7340494	1721243	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	2,05	down
6292816	7340494	1721242	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,42	up
6300080	7340494	1721235	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,17	up
6404122	7340494	1721241	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,07	up
6636067	7340494	1721238	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,26	up
6650473	7340494	1721239	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,15	up
6737229	7340494	1721233	ubiquinol-cytochrome c reductase core protein I	Uqcr1	301011	1,03	up
5627264	7277505	1566515	ubiquitin specific peptidase 1	Usp1	313387	1,02	up
5655488	7277505	1566516	ubiquitin specific peptidase 1	Usp1	313387	1,08	up
5697808	7277505	1566520	ubiquitin specific peptidase 1	Usp1	313387	2,40	down
5702041	7277505	1566521	ubiquitin specific peptidase 1	Usp1	313387	1,07	up
5716905	7277505	1566513	ubiquitin specific peptidase 1	Usp1	313387	1,22	up
5762858	7277505	1566514	ubiquitin specific peptidase 1	Usp1	313387	1,47	up
6127580	7277505	1566518	ubiquitin specific peptidase 1	Usp1	313387	1,19	down
6184794	7277505	1566522	ubiquitin specific peptidase 1	Usp1	313387	1,03	up
6289488	7277505	1566516	ubiquitin specific peptidase 1	Usp1	313387	1,10	down
6394131	7277505	1566517	ubiquitin specific peptidase 1	Usp1	313387	1,04	down
6439576	7277505	1566515	ubiquitin specific peptidase 1	Usp1	313387	1,03	down
6500060	7277505	1566519	ubiquitin specific peptidase 1	Usp1	313387	1,05	down
5694944	7086044	1092928	ubiquitin specific peptidase 25	Usp25	304150	1,45	up
5701893	7086044	1092909	ubiquitin specific peptidase 25	Usp25	304150	1,52	down
5720205	7086044	1092925	ubiquitin specific peptidase 25	Usp25	304150	1,64	down
5730935	7086044	1092947	ubiquitin specific peptidase 25	Usp25	304150	1,44	up
5733128	7086044	1092943	ubiquitin specific peptidase 25	Usp25	304150	1,10	down
5737319	7086044	1092949	ubiquitin specific peptidase 25	Usp25	304150	1,09	down
5833989	7086044	1092929	ubiquitin specific peptidase 25	Usp25	304150	1,04	up
5866959	7086044	1092948	ubiquitin specific peptidase 25	Usp25	304150	1,14	up
5878857	7086044	1092918	ubiquitin specific peptidase 25	Usp25	304150	1,05	up
5890075	7086044	1092930	ubiquitin specific peptidase 25	Usp25	304150	1,44	down
5963834	7086044	1092917	ubiquitin specific peptidase 25	Usp25	304150	1,91	up
6035362	7086044	1092921	ubiquitin specific peptidase 25	Usp25	304150	1,28	up
6064182	7086044	1092934	ubiquitin specific peptidase 25	Usp25	304150	1,10	up
6099736	7086044	1092922	ubiquitin specific peptidase 25	Usp25	304150	1,01	up
6122600	7086044	1092914	ubiquitin specific peptidase 25	Usp25	304150	1,05	up
6130909	7086044	1092933	ubiquitin specific peptidase 25	Usp25	304150	1,84	up
6278970	7086044	1092928	ubiquitin specific peptidase 25	Usp25	304150	1,53	down
6314125	7086044	1092936	ubiquitin specific peptidase 25	Usp25	304150	1,19	down
6347585	7086044	1092932	ubiquitin specific peptidase 25	Usp25	304150	1,33	up
6400264	7086044	1092931	ubiquitin specific peptidase 25	Usp25	304150	1,05	down
6412257	7086044	1092915	ubiquitin specific peptidase 25	Usp25	304150	1,51	down
6414547	7086044	1092942	ubiquitin specific peptidase 25	Usp25	304150	1,05	down
6497954	7086044	1092944	ubiquitin specific peptidase 25	Usp25	304150	1,26	down
6509990	7086044	1092935	ubiquitin specific peptidase 25	Usp25	304150	1,40	up
6558953	7086044	1092920	ubiquitin specific peptidase 25	Usp25	304150	1,13	down

6583374	7086044	1092931	ubiquitin specific peptidase 25	Usp25	304150	1,43	up
6724324	7086044	1092949	ubiquitin specific peptidase 25	Usp25	304150	1,34	down
6730551	7086044	1092950	ubiquitin specific peptidase 25	Usp25	304150	1,04	down
5621535	7265989	1537085	ubiquitin specific peptidase 39	Usp39	297336	1,20	down
5675532	7265989	1537092	ubiquitin specific peptidase 39	Usp39	297336	1,04	down
5833659	7265989	1537087	ubiquitin specific peptidase 39	Usp39	297336	1,02	up
5951467	7265989	1537097	ubiquitin specific peptidase 39	Usp39	297336	1,02	down
5978993	7265989	1537086	ubiquitin specific peptidase 39	Usp39	297336	1,35	down
5987995	7265989	1537099	ubiquitin specific peptidase 39	Usp39	297336	1,52	up
6096221	7265989	1537098	ubiquitin specific peptidase 39	Usp39	297336	1,46	up
6129258	7265989	1537094	ubiquitin specific peptidase 39	Usp39	297336	1,13	up
6172748	7265989	1537088	ubiquitin specific peptidase 39	Usp39	297336	1,17	up
6297856	7265989	1537098	ubiquitin specific peptidase 39	Usp39	297336	1,07	up
6310290	7265989	1537093	ubiquitin specific peptidase 39	Usp39	297336	1,15	up
6380796	7265989	1537095	ubiquitin specific peptidase 39	Usp39	297336	1,04	down
6394767	7265989	1537084	ubiquitin specific peptidase 39	Usp39	297336	1,35	down
6419371	7265989	1537085	ubiquitin specific peptidase 39	Usp39	297336	1,43	down
6437217	7265989	1537089	ubiquitin specific peptidase 39	Usp39	297336	1,32	up
6484744	7265989	1537102	ubiquitin specific peptidase 39	Usp39	297336	1,26	down
6671630	7265989	1537090	ubiquitin specific peptidase 39	Usp39	297336	1,50	up
6697704	7265989	1537096	ubiquitin specific peptidase 39	Usp39	297336	1,25	up
5632334	7364995	1781301	ubiquitin specific peptidase 40	Usp40	316599	1,00	up
5644357	7364995	1781317	ubiquitin specific peptidase 40	Usp40	316599	1,36	up
5651719	7364995	1781319	ubiquitin specific peptidase 40	Usp40	316599	1,15	down
5683550	7364995	1781318	ubiquitin specific peptidase 40	Usp40	316599	1,90	up
5714396	7364995	1781331	ubiquitin specific peptidase 40	Usp40	316599	1,07	up
5727348	7364995	1781306	ubiquitin specific peptidase 40	Usp40	316599	1,25	down
5754929	7364995	1781327	ubiquitin specific peptidase 40	Usp40	316599	1,03	down
5779334	7364995	1781330	ubiquitin specific peptidase 40	Usp40	316599	1,02	down
5787603	7364995	1781321	ubiquitin specific peptidase 40	Usp40	316599	1,56	down
5790562	7364995	1781321	ubiquitin specific peptidase 40	Usp40	316599	1,03	down
5848299	7364995	1781311	ubiquitin specific peptidase 40	Usp40	316599	1,67	down
5853135	7364995	1781295	ubiquitin specific peptidase 40	Usp40	316599	1,50	down
5882796	7364995	1781326	ubiquitin specific peptidase 40	Usp40	316599	1,02	down
5903393	7364995	1781313	ubiquitin specific peptidase 40	Usp40	316599	1,26	down
5947793	7364995	1781337	ubiquitin specific peptidase 40	Usp40	316599	1,03	down
5952222	7364995	1781319	ubiquitin specific peptidase 40	Usp40	316599	1,17	up
5965256	7364995	1781295	ubiquitin specific peptidase 40	Usp40	316599	1,63	down
5992075	7364995	1781336	ubiquitin specific peptidase 40	Usp40	316599	1,27	up
5997618	7364995	1781315	ubiquitin specific peptidase 40	Usp40	316599	1,05	down
6038439	7364995	1781304	ubiquitin specific peptidase 40	Usp40	316599	1,13	down
6058245	7364995	1781302	ubiquitin specific peptidase 40	Usp40	316599	1,01	up
6065133	7364995	1781310	ubiquitin specific peptidase 40	Usp40	316599	1,34	down
6066656	7364995	1781321	ubiquitin specific peptidase 40	Usp40	316599	1,01	down
6134425	7364995	1781299	ubiquitin specific peptidase 40	Usp40	316599	1,21	up
6157821	7364995	1781309	ubiquitin specific peptidase 40	Usp40	316599	1,19	down
6170668	7364995	1781337	ubiquitin specific peptidase 40	Usp40	316599	1,09	up
6201216	7364995	1781294	ubiquitin specific peptidase 40	Usp40	316599	1,00	down
6264832	7364995	1781307	ubiquitin specific peptidase 40	Usp40	316599	1,17	down
6270134	7364995	1781322	ubiquitin specific peptidase 40	Usp40	316599	1,13	up
6289681	7364995	1781334	ubiquitin specific peptidase 40	Usp40	316599	1,05	down
6302174	7364995	1781310	ubiquitin specific peptidase 40	Usp40	316599	1,14	up
6357441	7364995	1781305	ubiquitin specific peptidase 40	Usp40	316599	1,08	up
6398693	7364995	1781298	ubiquitin specific peptidase 40	Usp40	316599	1,03	up
6460022	7364995	1781323	ubiquitin specific peptidase 40	Usp40	316599	1,39	down
6471556	7364995	1781312	ubiquitin specific peptidase 40	Usp40	316599	2,23	down

6488838	7364995	1781294	ubiquitin specific peptidase 40	Usp40	316599	1,04	up
6501657	7364995	1781295	ubiquitin specific peptidase 40	Usp40	316599	1,28	down
6545888	7364995	1781321	ubiquitin specific peptidase 40	Usp40	316599	1,04	up
6578777	7364995	1781308	ubiquitin specific peptidase 40	Usp40	316599	1,04	down
6592352	7364995	1781320	ubiquitin specific peptidase 40	Usp40	316599	1,02	up
6599819	7364995	1781297	ubiquitin specific peptidase 40	Usp40	316599	1,01	up
6639931	7364995	1781325	ubiquitin specific peptidase 40	Usp40	316599	1,10	up
6663523	7364995	1781295	ubiquitin specific peptidase 40	Usp40	316599	1,20	down
6676582	7364995	1781304	ubiquitin specific peptidase 40	Usp40	316599	1,01	up
5641526	7273223	1555900	ubiquitin specific peptidase 45	Usp45	313098	1,04	down
5711374	7273223	1555902	ubiquitin specific peptidase 45	Usp45	313098	1,35	down
5716761	7273223	1555888	ubiquitin specific peptidase 45	Usp45	313098	1,04	down
5756072	7273223	1555898	ubiquitin specific peptidase 45	Usp45	313098	1,09	up
5771833	7273223	1555878	ubiquitin specific peptidase 45	Usp45	313098	1,02	up
5896528	7273223	1555893	ubiquitin specific peptidase 45	Usp45	313098	1,03	up
5948319	7273223	1555874	ubiquitin specific peptidase 45	Usp45	313098	1,05	up
5978753	7273223	1555885	ubiquitin specific peptidase 45	Usp45	313098	1,68	down
6009355	7273223	1555883	ubiquitin specific peptidase 45	Usp45	313098	1,07	down
6119051	7273223	1555882	ubiquitin specific peptidase 45	Usp45	313098	1,27	up
6165975	7273223	1555881	ubiquitin specific peptidase 45	Usp45	313098	1,36	up
6204225	7273223	1555883	ubiquitin specific peptidase 45	Usp45	313098	1,17	up
6240434	7273223	1555875	ubiquitin specific peptidase 45	Usp45	313098	1,13	up
6412327	7273223	1555897	ubiquitin specific peptidase 45	Usp45	313098	1,09	up
6415963	7273223	1555875	ubiquitin specific peptidase 45	Usp45	313098	1,05	up
6455477	7273223	1555893	ubiquitin specific peptidase 45	Usp45	313098	1,67	up
6460720	7273223	1555899	ubiquitin specific peptidase 45	Usp45	313098	1,11	down
6559570	7273223	1555872	ubiquitin specific peptidase 45	Usp45	313098	1,14	up
6661143	7273223	1555877	ubiquitin specific peptidase 45	Usp45	313098	1,30	up
6687337	7273223	1555890	ubiquitin specific peptidase 45	Usp45	313098	1,51	up
6705265	7273223	1555891	ubiquitin specific peptidase 45	Usp45	313098	1,15	down
6708217	7273223	1555887	ubiquitin specific peptidase 45	Usp45	313098	2,03	down
5681115	7213679	1407132	ubiquitin specific peptidase 53	Usp53	295425	1,01	up
5735765	7213679	1407129	ubiquitin specific peptidase 53	Usp53	295425	1,20	up
5741568	7213679	1407141	ubiquitin specific peptidase 53	Usp53	295425	1,06	up
5742161	7213679	1407144	ubiquitin specific peptidase 53	Usp53	295425	1,09	up
5802318	7213679	1407139	ubiquitin specific peptidase 53	Usp53	295425	1,76	down
5894135	7213679	1407129	ubiquitin specific peptidase 53	Usp53	295425	1,28	down
5985024	7213679	1407148	ubiquitin specific peptidase 53	Usp53	295425	1,21	up
6010708	7213679	1407136	ubiquitin specific peptidase 53	Usp53	295425	1,03	down
6044502	7213679	1407151	ubiquitin specific peptidase 53	Usp53	295425	1,11	up
6050244	7213679	1407145	ubiquitin specific peptidase 53	Usp53	295425	1,22	up
6126776	7213679	1407151	ubiquitin specific peptidase 53	Usp53	295425	1,35	down
6131435	7213679	1407138	ubiquitin specific peptidase 53	Usp53	295425	1,41	up
6188422	7213679	1407128	ubiquitin specific peptidase 53	Usp53	295425	1,71	down
6261895	7213679	1407137	ubiquitin specific peptidase 53	Usp53	295425	1,62	down
6366185	7213679	1407140	ubiquitin specific peptidase 53	Usp53	295425	1,03	down
6474372	7213679	1407128	ubiquitin specific peptidase 53	Usp53	295425	1,53	down
6528907	7213679	1407128	ubiquitin specific peptidase 53	Usp53	295425	1,00	up
6603245	7213679	1407139	ubiquitin specific peptidase 53	Usp53	295425	1,53	down
6612109	7213679	1407147	ubiquitin specific peptidase 53	Usp53	295425	1,08	up
6671427	7213679	1407146	ubiquitin specific peptidase 53	Usp53	295425	1,49	up
6711851	7213679	1407142	ubiquitin specific peptidase 53	Usp53	295425	1,36	up
5667905	7129848	1200862	ubiquitin specific peptidase 54	Usp54	408223	2,23	up
5788121	7129848	1200866	ubiquitin specific peptidase 54	Usp54	408223	1,32	up
5826385	7129848	1200865	ubiquitin specific peptidase 54	Usp54	408223	1,04	down
5839043	7129848	1200864	ubiquitin specific peptidase 54	Usp54	408223	1,52	up

5850521	7129848	1200868	ubiquitin specific peptidase 54	Usp54	408223	1,14	up
6053502	7129848	1200870	ubiquitin specific peptidase 54	Usp54	408223	1,15	down
6159786	7129848	1200869	ubiquitin specific peptidase 54	Usp54	408223	1,08	down
6517475	7129848	1200867	ubiquitin specific peptidase 54	Usp54	408223	1,69	down
6667283	7129848	1200863	ubiquitin specific peptidase 54	Usp54	408223	1,08	up
5666162	7099973	1127535	ubiquitin specific peptidase like 1	Usp11	288447	1,14	up
5677400	7099973	1127538	ubiquitin specific peptidase like 1	Usp11	288447	1,38	down
5805323	7099973	1127534	ubiquitin specific peptidase like 1	Usp11	288447	1,33	down
5826192	7099973	1127536	ubiquitin specific peptidase like 1	Usp11	288447	1,41	up
5904084	7099973	1127543	ubiquitin specific peptidase like 1	Usp11	288447	2,22	up
6012274	7099973	1127535	ubiquitin specific peptidase like 1	Usp11	288447	1,37	down
6020137	7099973	1127541	ubiquitin specific peptidase like 1	Usp11	288447	1,16	up
6293075	7099973	1127542	ubiquitin specific peptidase like 1	Usp11	288447	1,82	down
6383661	7099973	1127539	ubiquitin specific peptidase like 1	Usp11	288447	1,29	down
6502364	7099973	1127535	ubiquitin specific peptidase like 1	Usp11	288447	1,14	down
6502857	7099973	1127537	ubiquitin specific peptidase like 1	Usp11	288447	1,22	up
6575869	7099973	1127540	ubiquitin specific peptidase like 1	Usp11	288447	1,25	up
6642904	7099973	1127540	ubiquitin specific peptidase like 1	Usp11	288447	1,05	up
5623864	7192914	1357813	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,35	down
5647643	7192914	1357815	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,21	down
5654490	7192914	1357809	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,17	down
5664548	7192914	1357794	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,12	down
5669121	7192914	1357826	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,23	up
5705411	7192914	1357823	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,22	up
5706881	7192914	1357806	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,04	up
5812484	7192914	1357802	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,20	up
5827503	7192914	1357829	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,08	down
5838796	7192914	1357801	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,38	down
5902906	7192914	1357793	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,06	down
5976487	7192914	1357830	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,08	down
5981054	7192914	1357810	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,01	up
5982819	7192914	1357785	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,48	down
6001306	7192914	1357786	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,19	up
6042968	7192914	1357797	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,28	down
6144521	7192914	1357829	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,14	up
6162617	7192914	1357820	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,06	up
6181700	7192914	1357828	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,31	up
6205407	7192914	1357821	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,10	down
6320957	7192914	1357824	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,02	down
6368787	7192914	1357809	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,06	down
6596992	7192914	1357829	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,43	up
6626115	7192914	1357827	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,07	up
6652288	7192914	1357811	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,12	down
6662234	7192914	1357814	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,05	down
5835365	7378941	1818449	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,06	up
5886537	7378941	1818450	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,06	down
6119878	7378941	1818451	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,52	down
6133750	7378941	1818453	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	2,97	down
6252549	7378941	1818454	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,23	up
6272102	7378941	1818448	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,14	down
6366583	7378941	1818455	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,12	down
6504877	7378941	1818452	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,91	up
5913641	7235323	1461555	ubiquitin-conjugating enzyme E2C	Ube2c	296368	2,26	down
5934090	7235323	1461551	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,03	up
6047393	7235323	1461552	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,03	up
6092259	7235323	1461551	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,69	up

6095663	7235323	1461553	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,12	down
6440845	7235323	1461556	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,26	up
5678623	7340304	1720856	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,03	up
5685950	7340304	1720859	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,01	up
5718772	7340304	1720858	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,08	up
5741493	7340304	1720851	ubiquitin-like modifier activating enzyme 7	Uba7	301000	3,13	up
5762888	7340304	1720844	ubiquitin-like modifier activating enzyme 7	Uba7	301000	3,83	up
5764792	7340304	1720840	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,40	down
5771507	7340304	1720851	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,12	up
5775485	7340304	1720853	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,75	up
5797751	7340304	1720841	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,26	up
5880274	7340304	1720840	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,43	down
6031571	7340304	1720849	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,11	up
6092880	7340304	1720855	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,29	up
6093628	7340304	1720857	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,66	down
6177392	7340304	1720853	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,08	up
6321353	7340304	1720843	ubiquitin-like modifier activating enzyme 7	Uba7	301000	3,27	up
6361677	7340304	1720852	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,49	up
6373978	7340304	1720841	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,70	up
6449810	7340304	1720847	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,43	up
6463325	7340304	1720840	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,25	down
6476537	7340304	1720845	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,48	up
6490556	7340304	1720850	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,92	up
6570080	7340304	1720851	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,85	up
6587227	7340304	1720842	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,79	up
6666535	7340304	1720848	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,73	up
6722789	7340304	1720854	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,07	up
5802178	7280362	1573676	UBX domain protein 11	Ubxn11	192207	1,04	down
5947333	7280362	1573686	UBX domain protein 11	Ubxn11	192207	1,12	up
6040154	7280362	1573685	UBX domain protein 11	Ubxn11	192207	1,28	down
6070207	7280362	1573681	UBX domain protein 11	Ubxn11	192207	1,51	down
6140236	7280362	1573674	UBX domain protein 11	Ubxn11	192207	1,06	up
6148515	7280362	1573678	UBX domain protein 11	Ubxn11	192207	1,06	up
6168172	7280362	1573673	UBX domain protein 11	Ubxn11	192207	2,04	down
6176502	7280362	1573680	UBX domain protein 11	Ubxn11	192207	1,14	up
6180098	7280362	1573682	UBX domain protein 11	Ubxn11	192207	1,06	down
6197195	7280362	1573683	UBX domain protein 11	Ubxn11	192207	1,06	down
6351259	7280362	1573672	UBX domain protein 11	Ubxn11	192207	1,44	up
6391116	7280362	1573677	UBX domain protein 11	Ubxn11	192207	1,12	up
6427706	7280362	1573679	UBX domain protein 11	Ubxn11	192207	1,15	up
6507524	7280362	1573675	UBX domain protein 11	Ubxn11	192207	1,27	up
6663742	7280362	1573684	UBX domain protein 11	Ubxn11	192207	1,16	down
6725758	7280362	1573673	UBX domain protein 11	Ubxn11	192207	1,12	up
6726627	7280362	1573673	UBX domain protein 11	Ubxn11	192207	1,29	down
5844587	7384904	1831596	UCHL5 interacting protein	Uchl5ip	293844	1,36	down
5948237	7384904	1831604	UCHL5 interacting protein	Uchl5ip	293844	1,01	up
5955009	7384904	1831600	UCHL5 interacting protein	Uchl5ip	293844	1,02	down
6110791	7384904	1831605	UCHL5 interacting protein	Uchl5ip	293844	1,01	up
6247412	7384904	1831606	UCHL5 interacting protein	Uchl5ip	293844	1,03	down
6263344	7384904	1831601	UCHL5 interacting protein	Uchl5ip	293844	1,03	down
6335668	7384904	1831600	UCHL5 interacting protein	Uchl5ip	293844	1,70	down
6340090	7384904	1831599	UCHL5 interacting protein	Uchl5ip	293844	1,36	up
6362254	7384904	1831608	UCHL5 interacting protein	Uchl5ip	293844	1,21	down
6479313	7384904	1831597	UCHL5 interacting protein	Uchl5ip	293844	1,97	down
6521748	7384904	1831608	UCHL5 interacting protein	Uchl5ip	293844	1,37	up
6522205	7384904	1831596	UCHL5 interacting protein	Uchl5ip	293844	1,02	up

6608393	7384904	1831600	UCHL5 interacting protein	Uchl5ip	293844	1,02	down
6638181	7384904	1831602	UCHL5 interacting protein	Uchl5ip	293844	1,42	up
6656600	7384904	1831599	UCHL5 interacting protein	Uchl5ip	293844	1,12	down
5708951	7117388	1170605	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,06	up
5860699	7117388	1170609	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,48	down
5900963	7117388	1170611	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,02	up
6002918	7117388	1170611	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,00	up
6061053	7117388	1170606	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,15	down
6180975	7117388	1170608	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,05	up
6262322	7117388	1170605	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	2,19	up
6396948	7117388	1170610	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,02	down
6681508	7117388	1170605	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,07	down
6723308	7117388	1170610	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,73	up
6744216	7117388	1170607	UDP glucuronosyltransferase 2 family, polypeptide B17	Ugt2b17	286954	1,01	up
5768759	7105894	1142035	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,08	up
5970748	7105894	1142033	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,51	down
6091468	7105894	1142036	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	2,03	up
6169942	7105894	1142034	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,08	up
6308290	7105894	1142034	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,13	down
5651374	7285239	1585485	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,27	up
5721847	7285239	1585487	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,14	up
5735907	7285239	1585483	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,06	down
5745930	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,31	up
5765881	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,07	down
5773265	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,04	down
5948832	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,68	down
6056699	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,05	down
6070418	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,34	down
6139872	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,02	up
6228494	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,15	down
6293463	7285239	1585481	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,02	down
6390971	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	2,49	up
6563495	7285239	1585485	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,27	down
6573681	7285239	1585495	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,14	up
5667435	7093534	1111530	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,29	down
5690741	7093534	1111531	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,52	down
5711879	7093534	1111535	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	2,08	down
5813529	7093534	1111533	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,03	up
5962928	7093534	1111535	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,31	up
6284565	7093534	1111529	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,19	up
6370452	7093534	1111535	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,33	up
6437924	7093534	1111532	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,14	up
6538820	7093534	1111536	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,10	up
6547566	7093534	1111529	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,07	down
6686702	7093534	1111534	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	B4galt4	303923	1,10	down
5677972	7370484	1797162	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,04	down
5718376	7370484	1797164	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,03	up
5932143	7370484	1797170	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,04	up
5957985	7370484	1797160	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,07	down
6006124	7370484	1797168	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,03	down
6050989	7370484	1797160	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,13	down
6091180	7370484	1797169	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,73	down
6113820	7370484	1797161	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,64	down
6182817	7370484	1797172	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,00	down
6274130	7370484	1797179	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,10	down
6377954	7370484	1797173	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,24	down

6428464	7370484	1797179	UDP-glucuronate decarboxylase 1	Uxs1	246232	2,80	up
6567284	7370484	1797167	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,33	up
6631690	7370484	1797163	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,56	up
6669070	7370484	1797166	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,32	up
6738982	7370484	1797171	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,03	up
5689290	7227517	1441289	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,23	up
5720232	7227517	1441299	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,08	down
5841530	7227517	1441293	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,13	down
5949093	7227517	1441300	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,40	up
5956694	7227517	1441297	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,92	up
5979734	7227517	1441296	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,10	down
5985085	7227517	1441294	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,71	down
6158982	7227517	1441295	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	2,50	down
6160948	7227517	1441297	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,00	up
6246054	7227517	1441289	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,17	down
6308439	7227517	1441290	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,10	up
6474995	7227517	1441292	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,08	up
6547129	7227517	1441291	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,06	up
6733574	7227517	1441298	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt13	311039	1,14	down
5633470	7295359	1609507	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,23	up
5672181	7295359	1609501	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,13	up
5700789	7295359	1609499	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,43	up
5766424	7295359	1609496	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,07	down
5951180	7295359	1609497	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,31	down
5985000	7295359	1609502	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,04	down
5985089	7295359	1609496	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,27	up
6055773	7295359	1609503	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,17	down
6118018	7295359	1609504	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,13	down
6127887	7295359	1609506	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,28	down
6332665	7295359	1609509	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	2,16	up
6409525	7295359	1609511	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,21	down
6431820	7295359	1609510	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,07	up
6467086	7295359	1609508	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,99	down
6473964	7295359	1609511	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,17	down
6523179	7295359	1609498	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,09	up
6538334	7295359	1609510	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,52	up
6638160	7295359	1609500	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,06	down
6683778	7295359	1609511	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,01	up
6738092	7295359	1609505	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase	Galnt14	313878	1,04	down
5671586	7274462	1558534	unc-13 homolog B (C. elegans)	Unc13b	64830	1,04	up
5695853	7274462	1558522	unc-13 homolog B (C. elegans)	Unc13b	64830	3,79	up
5698376	7274462	1558525	unc-13 homolog B (C. elegans)	Unc13b	64830	1,07	up
5716635	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,09	up
5758270	7274462	1558524	unc-13 homolog B (C. elegans)	Unc13b	64830	1,45	up
5782548	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,09	down
5795564	7274462	1558556	unc-13 homolog B (C. elegans)	Unc13b	64830	1,51	down
5796345	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,05	up
5829814	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,18	down
5844017	7274462	1558536	unc-13 homolog B (C. elegans)	Unc13b	64830	1,16	down
5860253	7274462	1558537	unc-13 homolog B (C. elegans)	Unc13b	64830	1,12	up
5937743	7274462	1558539	unc-13 homolog B (C. elegans)	Unc13b	64830	1,25	up
5939402	7274462	1558517	unc-13 homolog B (C. elegans)	Unc13b	64830	1,27	up
6003226	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,52	down
6008719	7274462	1558533	unc-13 homolog B (C. elegans)	Unc13b	64830	1,46	down
6009791	7274462	1558545	unc-13 homolog B (C. elegans)	Unc13b	64830	1,40	down
6044299	7274462	1558540	unc-13 homolog B (C. elegans)	Unc13b	64830	1,41	up

6057271	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,23	up
6065282	7274462	1558520	unc-13 homolog B (C. elegans)	Unc13b	64830	1,23	up
6075170	7274462	1558549	unc-13 homolog B (C. elegans)	Unc13b	64830	1,01	down
6076960	7274462	1558537	unc-13 homolog B (C. elegans)	Unc13b	64830	1,06	down
6098548	7274462	1558541	unc-13 homolog B (C. elegans)	Unc13b	64830	1,06	down
6117563	7274462	1558551	unc-13 homolog B (C. elegans)	Unc13b	64830	1,29	down
6135462	7274462	1558555	unc-13 homolog B (C. elegans)	Unc13b	64830	1,09	up
6202046	7274462	1558524	unc-13 homolog B (C. elegans)	Unc13b	64830	1,28	up
6207631	7274462	1558554	unc-13 homolog B (C. elegans)	Unc13b	64830	1,36	down
6216673	7274462	1558535	unc-13 homolog B (C. elegans)	Unc13b	64830	1,06	down
6242112	7274462	1558546	unc-13 homolog B (C. elegans)	Unc13b	64830	1,34	down
6244159	7274462	1558544	unc-13 homolog B (C. elegans)	Unc13b	64830	1,08	down
6246841	7274462	1558550	unc-13 homolog B (C. elegans)	Unc13b	64830	1,38	up
6253159	7274462	1558535	unc-13 homolog B (C. elegans)	Unc13b	64830	1,04	down
6258331	7274462	1558530	unc-13 homolog B (C. elegans)	Unc13b	64830	1,38	down
6278211	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,59	down
6307332	7274462	1558521	unc-13 homolog B (C. elegans)	Unc13b	64830	1,21	up
6336696	7274462	1558547	unc-13 homolog B (C. elegans)	Unc13b	64830	1,19	down
6385148	7274462	1558526	unc-13 homolog B (C. elegans)	Unc13b	64830	1,35	up
6389137	7274462	1558516	unc-13 homolog B (C. elegans)	Unc13b	64830	1,10	down
6401398	7274462	1558529	unc-13 homolog B (C. elegans)	Unc13b	64830	1,09	down
6411781	7274462	1558557	unc-13 homolog B (C. elegans)	Unc13b	64830	1,20	down
6454285	7274462	1558518	unc-13 homolog B (C. elegans)	Unc13b	64830	1,19	up
6504940	7274462	1558552	unc-13 homolog B (C. elegans)	Unc13b	64830	1,11	down
6509511	7274462	1558528	unc-13 homolog B (C. elegans)	Unc13b	64830	1,27	down
6548995	7274462	1558531	unc-13 homolog B (C. elegans)	Unc13b	64830	1,06	down
6604915	7274462	1558542	unc-13 homolog B (C. elegans)	Unc13b	64830	1,24	down
6620797	7274462	1558532	unc-13 homolog B (C. elegans)	Unc13b	64830	1,05	down
6634084	7274462	1558523	unc-13 homolog B (C. elegans)	Unc13b	64830	1,57	up
6650552	7274462	1558519	unc-13 homolog B (C. elegans)	Unc13b	64830	1,10	up
6666106	7274462	1558548	unc-13 homolog B (C. elegans)	Unc13b	64830	1,02	up
6677612	7274462	1558553	unc-13 homolog B (C. elegans)	Unc13b	64830	1,12	down
6680180	7274462	1558543	unc-13 homolog B (C. elegans)	Unc13b	64830	1,08	up
6696920	7274462	1558538	unc-13 homolog B (C. elegans)	Unc13b	64830	1,13	down
5643747	7084520	1089765	unc-13 homolog D (C. elegans)	Unc13d	192177	1,04	up
5687118	7084520	1089784	unc-13 homolog D (C. elegans)	Unc13d	192177	1,13	up
5730155	7084520	1089790	unc-13 homolog D (C. elegans)	Unc13d	192177	1,00	up
5740948	7084520	1089778	unc-13 homolog D (C. elegans)	Unc13d	192177	1,60	down
5789237	7084520	1089786	unc-13 homolog D (C. elegans)	Unc13d	192177	1,24	up
5809387	7084520	1089758	unc-13 homolog D (C. elegans)	Unc13d	192177	1,39	down
5820824	7084520	1089772	unc-13 homolog D (C. elegans)	Unc13d	192177	1,18	up
5870896	7084520	1089789	unc-13 homolog D (C. elegans)	Unc13d	192177	1,25	down
5876063	7084520	1089782	unc-13 homolog D (C. elegans)	Unc13d	192177	1,20	down
5935469	7084520	1089787	unc-13 homolog D (C. elegans)	Unc13d	192177	1,94	up
5952233	7084520	1089769	unc-13 homolog D (C. elegans)	Unc13d	192177	1,00	down
5966764	7084520	1089771	unc-13 homolog D (C. elegans)	Unc13d	192177	1,09	down
5977295	7084520	1089766	unc-13 homolog D (C. elegans)	Unc13d	192177	1,25	up
5987294	7084520	1089761	unc-13 homolog D (C. elegans)	Unc13d	192177	1,04	up
6011189	7084520	1089781	unc-13 homolog D (C. elegans)	Unc13d	192177	1,80	down
6047480	7084520	1089779	unc-13 homolog D (C. elegans)	Unc13d	192177	1,16	up
6049484	7084520	1089764	unc-13 homolog D (C. elegans)	Unc13d	192177	2,22	down
6096812	7084520	1089768	unc-13 homolog D (C. elegans)	Unc13d	192177	2,72	up
6166076	7084520	1089773	unc-13 homolog D (C. elegans)	Unc13d	192177	1,65	up
6201791	7084520	1089771	unc-13 homolog D (C. elegans)	Unc13d	192177	1,01	up
6214884	7084520	1089783	unc-13 homolog D (C. elegans)	Unc13d	192177	1,10	down
6276418	7084520	1089774	unc-13 homolog D (C. elegans)	Unc13d	192177	1,74	up

6288210	7084520	1089788	unc-13 homolog D (C. elegans)	Unc13d	192177	1,15	up
6375349	7084520	1089760	unc-13 homolog D (C. elegans)	Unc13d	192177	1,27	down
6441702	7084520	1089790	unc-13 homolog D (C. elegans)	Unc13d	192177	1,01	up
6448990	7084520	1089777	unc-13 homolog D (C. elegans)	Unc13d	192177	1,13	down
6467352	7084520	1089776	unc-13 homolog D (C. elegans)	Unc13d	192177	1,20	up
6492140	7084520	1089759	unc-13 homolog D (C. elegans)	Unc13d	192177	1,18	down
6499779	7084520	1089760	unc-13 homolog D (C. elegans)	Unc13d	192177	1,68	down
6529960	7084520	1089785	unc-13 homolog D (C. elegans)	Unc13d	192177	1,09	up
6583150	7084520	1089763	unc-13 homolog D (C. elegans)	Unc13d	192177	1,06	down
6615081	7084520	1089767	unc-13 homolog D (C. elegans)	Unc13d	192177	2,45	down
6648427	7084520	1089762	unc-13 homolog D (C. elegans)	Unc13d	192177	1,46	up
6672311	7084520	1089770	unc-13 homolog D (C. elegans)	Unc13d	192177	1,24	up
6674612	7084520	1089775	unc-13 homolog D (C. elegans)	Unc13d	192177	1,05	down
6707064	7084520	1089785	unc-13 homolog D (C. elegans)	Unc13d	192177	1,19	up
6724100	7084520	1089780	unc-13 homolog D (C. elegans)	Unc13d	192177	1,41	down
5652966	7222806	1429640	unc-5 homolog B (C. elegans)	Unc5b	60630	1,44	up
5679243	7222806	1429641	unc-5 homolog B (C. elegans)	Unc5b	60630	1,44	up
5764100	7222806	1429637	unc-5 homolog B (C. elegans)	Unc5b	60630	1,08	down
5816850	7222806	1429636	unc-5 homolog B (C. elegans)	Unc5b	60630	1,80	down
5872828	7222806	1429649	unc-5 homolog B (C. elegans)	Unc5b	60630	1,40	up
5877777	7222806	1429648	unc-5 homolog B (C. elegans)	Unc5b	60630	2,06	up
5883918	7222806	1429642	unc-5 homolog B (C. elegans)	Unc5b	60630	1,58	down
5971208	7222806	1429651	unc-5 homolog B (C. elegans)	Unc5b	60630	1,53	up
6033298	7222806	1429638	unc-5 homolog B (C. elegans)	Unc5b	60630	1,22	up
6076252	7222806	1429646	unc-5 homolog B (C. elegans)	Unc5b	60630	1,24	down
6159016	7222806	1429639	unc-5 homolog B (C. elegans)	Unc5b	60630	1,02	up
6205257	7222806	1429643	unc-5 homolog B (C. elegans)	Unc5b	60630	1,16	down
6292679	7222806	1429648	unc-5 homolog B (C. elegans)	Unc5b	60630	1,15	up
6359479	7222806	1429643	unc-5 homolog B (C. elegans)	Unc5b	60630	1,19	down
6390171	7222806	1429636	unc-5 homolog B (C. elegans)	Unc5b	60630	1,30	down
6460175	7222806	1429645	unc-5 homolog B (C. elegans)	Unc5b	60630	1,16	up
6471762	7222806	1429652	unc-5 homolog B (C. elegans)	Unc5b	60630	1,34	down
6510404	7222806	1429650	unc-5 homolog B (C. elegans)	Unc5b	60630	1,24	down
6537850	7222806	1429648	unc-5 homolog B (C. elegans)	Unc5b	60630	1,09	up
6610624	7222806	1429647	unc-5 homolog B (C. elegans)	Unc5b	60630	1,28	down
6685728	7222806	1429644	unc-5 homolog B (C. elegans)	Unc5b	60630	1,39	up
6724767	7222806	1429653	unc-5 homolog B (C. elegans)	Unc5b	60630	1,77	up
5628107	7099271	1125932	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,03	down
5699822	7099271	1125924	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,13	down
5707839	7099271	1125946	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,29	up
5728546	7099271	1125937	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,38	up
5740442	7099271	1125930	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,01	down
5760355	7099271	1125931	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,19	down
5833154	7099271	1125953	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,40	down
5845291	7099271	1125936	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,02	up
5889011	7099271	1125933	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,26	down
5925203	7099271	1125943	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	2,46	up
5992428	7099271	1125938	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,05	up
5998061	7099271	1125953	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,18	up
6019527	7099271	1125944	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,03	up
6022435	7099271	1125947	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,18	down
6040372	7099271	1125933	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,08	down
6048588	7099271	1125945	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,27	down
6090592	7099271	1125942	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,01	down
6197313	7099271	1125929	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	2,10	up
6289555	7099271	1125952	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,20	up

6298080	7099271	1125926	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,25	down
6321976	7099271	1125948	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,11	down
6332248	7099271	1125949	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	2,86	down
6344784	7099271	1125941	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,58	up
6368736	7099271	1125936	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,23	down
6370006	7099271	1125939	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,18	up
6383827	7099271	1125934	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,21	up
6451734	7099271	1125923	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,32	up
6470842	7099271	1125940	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,03	up
6523283	7099271	1125935	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,08	up
6604295	7099271	1125925	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,06	up
6647351	7099271	1125927	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,26	down
6735966	7099271	1125951	Unc-51 like kinase 1 (C. elegans)	Ulk1	360827	1,09	up
5854586	7329846	1694987	unc-84 homolog B (C. elegans)	Unc84b	315135	1,03	up
6027928	7329846	1695006	unc-84 homolog B (C. elegans)	Unc84b	315135	1,63	down
6112434	7329846	1695003	unc-84 homolog B (C. elegans)	Unc84b	315135	2,06	down
6438865	7329846	1694987	unc-84 homolog B (C. elegans)	Unc84b	315135	1,32	up
6456752	7329846	1694987	unc-84 homolog B (C. elegans)	Unc84b	315135	1,40	up
5689576	7034569	972789	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,56	down
5727190	7034569	972795	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,17	up
5743907	7034569	972792	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,22	down
5774620	7034569	972791	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,08	up
5855481	7034569	972796	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,64	down
5858107	7034569	972794	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	2,25	up
5889836	7034569	972793	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,17	up
5915570	7034569	972790	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,24	down
6047339	7034569	972790	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	25708	1,08	up
6035534	7340990	1722518	upstream binding protein 1 (LBP-1a)	Ubp1	301038	1,36	down
6397910	7340990	1722500	upstream binding protein 1 (LBP-1a)	Ubp1	301038	1,12	down
5666847	7221839	1427191	ureidopropionase, beta	Upb1	116593	1,00	up
5687632	7221839	1427192	ureidopropionase, beta	Upb1	116593	1,13	up
5800065	7221839	1427190	ureidopropionase, beta	Upb1	116593	1,22	down
5898955	7221839	1427186	ureidopropionase, beta	Upb1	116593	1,03	down
6160984	7221839	1427187	ureidopropionase, beta	Upb1	116593	1,04	up
6388585	7221839	1427189	ureidopropionase, beta	Upb1	116593	1,69	up
6424486	7221839	1427194	ureidopropionase, beta	Upb1	116593	2,24	up
6555962	7221839	1427195	ureidopropionase, beta	Upb1	116593	1,33	down
6572971	7221839	1427193	ureidopropionase, beta	Upb1	116593	1,11	down
6656655	7221839	1427188	ureidopropionase, beta	Upb1	116593	1,02	up
5629678	7290288	1597339	uroporphyrinogen decarboxylase	Urod	29421	1,26	down
5806089	7290288	1597343	uroporphyrinogen decarboxylase	Urod	29421	1,32	up
5821151	7290288	1597338	uroporphyrinogen decarboxylase	Urod	29421	1,38	down
6078989	7290288	1597339	uroporphyrinogen decarboxylase	Urod	29421	1,01	down
6100601	7290288	1597337	uroporphyrinogen decarboxylase	Urod	29421	1,46	down
6200286	7290288	1597342	uroporphyrinogen decarboxylase	Urod	29421	1,10	up
6316477	7290288	1597341	uroporphyrinogen decarboxylase	Urod	29421	1,25	up
6320135	7290288	1597342	uroporphyrinogen decarboxylase	Urod	29421	1,15	down
6326212	7290288	1597337	uroporphyrinogen decarboxylase	Urod	29421	1,28	up
6604223	7290288	1597341	uroporphyrinogen decarboxylase	Urod	29421	1,21	down
6700675	7290288	1597344	uroporphyrinogen decarboxylase	Urod	29421	1,26	up
5632819	7108974	1149806	Usher syndrome 2A homolog (human)	Ush2a	266765	1,23	down
5671320	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	2,06	up
5696963	7108974	1149792	Usher syndrome 2A homolog (human)	Ush2a	266765	1,07	down
5712125	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	1,53	up
5718768	7108974	1149799	Usher syndrome 2A homolog (human)	Ush2a	266765	1,03	up
5720665	7108974	1149802	Usher syndrome 2A homolog (human)	Ush2a	266765	1,18	down

5770644	7108974	1149803	Usher syndrome 2A homolog (human)	Ush2a	266765	1,02	down
5800679	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	2,07	up
5829263	7108974	1149794	Usher syndrome 2A homolog (human)	Ush2a	266765	1,33	down
5884730	7108974	1149798	Usher syndrome 2A homolog (human)	Ush2a	266765	1,23	down
5955209	7108974	1149804	Usher syndrome 2A homolog (human)	Ush2a	266765	1,23	up
6030891	7108974	1149795	Usher syndrome 2A homolog (human)	Ush2a	266765	1,07	down
6112001	7108974	1149803	Usher syndrome 2A homolog (human)	Ush2a	266765	1,06	up
6170387	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	1,11	up
6226981	7108974	1149795	Usher syndrome 2A homolog (human)	Ush2a	266765	1,39	down
6259899	7108974	1149796	Usher syndrome 2A homolog (human)	Ush2a	266765	1,06	up
6284944	7108974	1149800	Usher syndrome 2A homolog (human)	Ush2a	266765	1,01	up
6361388	7108974	1149799	Usher syndrome 2A homolog (human)	Ush2a	266765	1,06	down
6443732	7108974	1149801	Usher syndrome 2A homolog (human)	Ush2a	266765	1,17	down
6457695	7108974	1149797	Usher syndrome 2A homolog (human)	Ush2a	266765	1,32	up
6493195	7108974	1149793	Usher syndrome 2A homolog (human)	Ush2a	266765	1,09	down
6725422	7108974	1149804	Usher syndrome 2A homolog (human)	Ush2a	266765	1,39	down
6733910	7108974	1149802	Usher syndrome 2A homolog (human)	Ush2a	266765	1,17	up
6744743	7108974	1149791	Usher syndrome 2A homolog (human)	Ush2a	266765	1,01	down
5752029	7081657	1083075	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,10	up
5773971	7081657	1083077	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	2,35	up
5861223	7081657	1083069	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,17	up
5913349	7081657	1083068	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,55	down
6020858	7081657	1083073	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,09	up
6032653	7081657	1083070	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,25	down
6065826	7081657	1083076	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,40	up
6099135	7081657	1083070	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,19	up
6106891	7081657	1083066	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,10	up
6250884	7081657	1083071	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,17	up
6377331	7081657	1083079	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,02	up
6401632	7081657	1083072	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,17	up
6432010	7081657	1083065	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,32	up
6476512	7081657	1083079	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	2,53	down
6568457	7081657	1083067	UTP18, small subunit (SSU) processome component, homolog (yeast)	Utp18	303456	1,31	down
5978090	7323545	1679920	UTP20, small subunit (SSU) processome component, homolog (yeast)	Utp20	314713	1,85	down
6152348	7323545	1679920	UTP20, small subunit (SSU) processome component, homolog (yeast)	Utp20	314713	1,39	down
5806809	7124168	1187368	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Utp3	305258	1,17	up
5841643	7124168	1187368	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Utp3	305258	1,10	down
5937083	7124168	1187367	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Utp3	305258	2,06	down
6075418	7124168	1187366	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Utp3	305258	1,32	down
6349488	7124168	1187367	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Utp3	305258	1,62	up
6466723	7124168	1187367	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Utp3	305258	1,02	down
6575746	7124168	1187367	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Utp3	305258	1,78	up
5626402	7044211	996281	utrophin	Utrn	25600	1,02	up
5627805	7044211	996265	utrophin	Utrn	25600	1,07	up
5650797	7044211	996290	utrophin	Utrn	25600	1,00	down
5675236	7044211	996287	utrophin	Utrn	25600	1,28	down
5717161	7044211	996227	utrophin	Utrn	25600	1,12	down
5742344	7044211	996238	utrophin	Utrn	25600	1,18	down
5749075	7044211	996285	utrophin	Utrn	25600	1,20	down
5780946	7044211	996292	utrophin	Utrn	25600	1,32	down
5783325	7044211	996271	utrophin	Utrn	25600	1,07	up
5800798	7044211	996221	utrophin	Utrn	25600	1,38	down
5873031	7044211	996282	utrophin	Utrn	25600	1,21	down
5880293	7044211	996264	utrophin	Utrn	25600	1,02	down
5897943	7044211	996289	utrophin	Utrn	25600	1,08	down
5928204	7044211	996253	utrophin	Utrn	25600	1,20	up

5952377	7044211	996250	utrophin	Utrn	25600	1,10	up
5964977	7044211	996229	utrophin	Utrn	25600	1,43	down
5979168	7044211	996251	utrophin	Utrn	25600	1,07	down
6014465	7044211	996226	utrophin	Utrn	25600	1,03	down
6027062	7044211	996273	utrophin	Utrn	25600	1,06	up
6040657	7044211	996263	utrophin	Utrn	25600	1,91	up
6048684	7044211	996287	utrophin	Utrn	25600	1,20	down
6056804	7044211	996223	utrophin	Utrn	25600	1,22	down
6087225	7044211	996252	utrophin	Utrn	25600	1,24	up
6101235	7044211	996258	utrophin	Utrn	25600	1,08	up
6106484	7044211	996222	utrophin	Utrn	25600	1,10	down
6110950	7044211	996244	utrophin	Utrn	25600	1,16	down
6146549	7044211	996239	utrophin	Utrn	25600	1,11	down
6150756	7044211	996260	utrophin	Utrn	25600	1,21	down
6156096	7044211	996228	utrophin	Utrn	25600	1,00	down
6158685	7044211	996254	utrophin	Utrn	25600	1,47	up
6183139	7044211	996242	utrophin	Utrn	25600	1,15	up
6185849	7044211	996283	utrophin	Utrn	25600	1,25	down
6199319	7044211	996225	utrophin	Utrn	25600	1,42	down
6211745	7044211	996231	utrophin	Utrn	25600	1,16	up
6213856	7044211	996268	utrophin	Utrn	25600	1,27	down
6215741	7044211	996237	utrophin	Utrn	25600	1,05	down
6219333	7044211	996223	utrophin	Utrn	25600	1,02	down
6222490	7044211	996259	utrophin	Utrn	25600	1,02	down
6225845	7044211	996224	utrophin	Utrn	25600	1,11	down
6231702	7044211	996274	utrophin	Utrn	25600	1,13	up
6233460	7044211	996269	utrophin	Utrn	25600	1,03	up
6241522	7044211	996243	utrophin	Utrn	25600	1,02	up
6263234	7044211	996233	utrophin	Utrn	25600	1,13	up
6267309	7044211	996235	utrophin	Utrn	25600	1,10	down
6288458	7044211	996246	utrophin	Utrn	25600	1,37	down
6289728	7044211	996245	utrophin	Utrn	25600	1,04	down
6290335	7044211	996247	utrophin	Utrn	25600	1,31	up
6292680	7044211	996275	utrophin	Utrn	25600	1,29	down
6308312	7044211	996255	utrophin	Utrn	25600	1,14	down
6312751	7044211	996249	utrophin	Utrn	25600	1,01	up
6323129	7044211	996266	utrophin	Utrn	25600	1,07	up
6323184	7044211	996232	utrophin	Utrn	25600	1,17	up
6336632	7044211	996286	utrophin	Utrn	25600	1,12	down
6338931	7044211	996256	utrophin	Utrn	25600	1,05	down
6365541	7044211	996270	utrophin	Utrn	25600	1,01	up
6374390	7044211	996267	utrophin	Utrn	25600	1,32	up
6405460	7044211	996262	utrophin	Utrn	25600	1,06	up
6422905	7044211	996293	utrophin	Utrn	25600	2,61	up
6431981	7044211	996278	utrophin	Utrn	25600	1,09	down
6464178	7044211	996240	utrophin	Utrn	25600	1,24	up
6486714	7044211	996276	utrophin	Utrn	25600	1,05	up
6493848	7044211	996277	utrophin	Utrn	25600	1,06	up
6497826	7044211	996272	utrophin	Utrn	25600	1,06	down
6525121	7044211	996288	utrophin	Utrn	25600	1,07	up
6526227	7044211	996280	utrophin	Utrn	25600	1,34	up
6538878	7044211	996234	utrophin	Utrn	25600	1,09	down
6542184	7044211	996230	utrophin	Utrn	25600	1,31	down
6571665	7044211	996241	utrophin	Utrn	25600	1,21	down
6582441	7044211	996277	utrophin	Utrn	25600	1,12	up
6620559	7044211	996236	utrophin	Utrn	25600	1,16	down

6634064	7044211	996279	utrophin	Utrn	25600	1,02	up
6638534	7044211	996248	utrophin	Utrn	25600	1,10	up
6672677	7044211	996291	utrophin	Utrn	25600	1,17	down
6674248	7044211	996284	utrophin	Utrn	25600	1,22	up
6702574	7044211	996293	utrophin	Utrn	25600	1,89	up
6707300	7044211	996283	utrophin	Utrn	25600	1,08	up
6724911	7044211	996257	utrophin	Utrn	25600	1,04	up
6727428	7044211	996261	utrophin	Utrn	25600	1,25	up
5707494	7301439	1625380	vaccinia related kinase 1	Vrk1	362779	1,35	down
5714000	7301439	1625392	vaccinia related kinase 1	Vrk1	362779	1,14	up
5743368	7301439	1625392	vaccinia related kinase 1	Vrk1	362779	1,29	down
5835139	7301439	1625383	vaccinia related kinase 1	Vrk1	362779	1,17	down
5973000	7301439	1625380	vaccinia related kinase 1	Vrk1	362779	1,19	down
6055904	7301439	1625387	vaccinia related kinase 1	Vrk1	362779	2,06	down
6080813	7301439	1625391	vaccinia related kinase 1	Vrk1	362779	1,35	down
6120475	7301439	1625385	vaccinia related kinase 1	Vrk1	362779	1,45	up
6209780	7301439	1625382	vaccinia related kinase 1	Vrk1	362779	1,15	up
6251349	7301439	1625384	vaccinia related kinase 1	Vrk1	362779	1,76	up
6294877	7301439	1625391	vaccinia related kinase 1	Vrk1	362779	1,00	up
6465993	7301439	1625389	vaccinia related kinase 1	Vrk1	362779	1,13	up
6512629	7301439	1625380	vaccinia related kinase 1	Vrk1	362779	1,25	down
6524480	7301439	1625390	vaccinia related kinase 1	Vrk1	362779	1,16	down
6595417	7301439	1625388	vaccinia related kinase 1	Vrk1	362779	1,02	down
6613425	7301439	1625386	vaccinia related kinase 1	Vrk1	362779	1,93	down
6618563	7301439	1625381	vaccinia related kinase 1	Vrk1	362779	1,29	up
5633090	7060851	1033371	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,10	down
5660212	7060851	1033386	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,23	up
5660664	7060851	1033390	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,09	up
5709262	7060851	1033380	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,07	up
5756273	7060851	1033381	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,94	up
5895652	7060851	1033373	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,17	up
5910324	7060851	1033391	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,36	up
5915524	7060851	1033378	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,02	up
5989463	7060851	1033374	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,13	down
6031698	7060851	1033389	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,23	down
6107328	7060851	1033383	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,15	down
6142873	7060851	1033375	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,29	up
6230947	7060851	1033369	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,51	down
6248473	7060851	1033375	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,43	down
6353007	7060851	1033388	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,05	down
6398774	7060851	1033384	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,43	up
6429198	7060851	1033373	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,08	down
6437581	7060851	1033367	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,11	down
6449221	7060851	1033382	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,61	down
6473442	7060851	1033379	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,28	up
6541496	7060851	1033392	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,12	up
6567913	7060851	1033387	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,13	up
6581515	7060851	1033385	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,07	down
6612224	7060851	1033393	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,33	up
6661714	7060851	1033370	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Vps13a	309243	1,03	down
5620214	7039728	984844	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,25	up
5665216	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,77	up
5695800	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,57	down
5710786	7039728	984848	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,17	up
5783390	7039728	984848	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,63	down
6081092	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,04	down

6100186	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,16	up
6194913	7039728	984845	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,13	up
6231952	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,12	up
6318410	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,26	up
6333095	7039728	984847	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,12	down
6470856	7039728	984848	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,31	up
6659757	7039728	984838	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,55	down
6715596	7039728	984843	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,38	up
6732262	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,32	up
5766487	7109863	1152005	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,06	down
5809754	7109863	1152000	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,19	down
5894897	7109863	1152001	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,03	down
5911798	7109863	1152009	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,06	down
5951252	7109863	1152006	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,28	down
5956961	7109863	1152011	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,09	down
6063520	7109863	1152012	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,04	up
6386453	7109863	1152012	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	2,31	up
6479671	7109863	1152003	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,33	up
6548873	7109863	1152000	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,39	down
6592482	7109863	1152010	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,09	up
6593595	7109863	1152007	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,07	down
6725428	7109863	1152004	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Vps4b	360834	1,21	down
5723971	7030015	960661	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,38	down
5741888	7030015	960660	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,03	up
5897610	7030015	960668	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,20	up
5902930	7030015	960665	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,01	up
6006341	7030015	960666	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,00	down
6029573	7030015	960657	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,04	down
6086551	7030015	960655	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	2,17	down
6204768	7030015	960662	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,17	up
6226724	7030015	960656	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,18	up
6233573	7030015	960667	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,22	up
6241346	7030015	960656	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,10	up
6394270	7030015	960658	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,12	up
6404216	7030015	960663	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,09	up
6494750	7030015	960659	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,13	up
6569433	7030015	960664	v-akt murine thymoma viral oncogene homolog 2	Akt2	25233	1,15	up
5653970	7302307	1627591	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,79	up
5733794	7302307	1627600	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,83	down
5746294	7302307	1627593	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,34	up
5851905	7302307	1627602	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,17	down
5921472	7302307	1627597	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,10	up
5928465	7302307	1627598	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,13	up
5953233	7302307	1627604	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,03	down
6024849	7302307	1627592	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,46	up
6035874	7302307	1627595	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,05	down
6146329	7302307	1627597	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,22	down
6323852	7302307	1627601	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,05	down
6328935	7302307	1627594	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,24	down
6351318	7302307	1627591	vasoactive intestinal peptide receptor 2	Vipr2	29555	2,13	up
6354589	7302307	1627604	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,55	down
6571320	7302307	1627604	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,31	down
6581187	7302307	1627599	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,37	down
6651199	7302307	1627596	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,19	up
6746922	7302307	1627603	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,77	down
5626801	7237132	1466107	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,28	up

5640333	7237132	1466130	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,17	down
5720421	7237132	1466132	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,02	down
5736773	7237132	1466131	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,37	down
5765420	7237132	1466124	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,13	up
5813317	7237132	1466119	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,12	up
5874270	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,08	down
5896299	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,50	up
5971664	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,19	down
6099207	7237132	1466128	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,06	down
6106127	7237132	1466118	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,24	down
6113932	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,29	down
6136833	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,32	down
6148168	7237132	1466140	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,03	down
6156588	7237132	1466171	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,53	down
6185843	7237132	1466121	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,55	up
6247651	7237132	1466151	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,25	up
6262640	7237132	1466122	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,35	down
6290614	7237132	1466116	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,32	down
6317692	7237132	1466186	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,32	down
6322028	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,91	up
6331070	7237132	1466135	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,12	down
6388799	7237132	1466137	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,23	up
6456380	7237132	1466108	vav 2 guanine nucleotide exchange factor	Vav2	296603	2,45	up
6503403	7237132	1466127	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,12	down
6518333	7237132	1466112	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,25	down
6543422	7237132	1466126	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,11	down
6578420	7237132	1466125	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,21	down
6592677	7237132	1466129	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,06	up
6611096	7237132	1466187	vav 2 guanine nucleotide exchange factor	Vav2	296603	2,03	up
6647360	7237132	1466114	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,12	up
6702360	7237132	1466110	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,30	up
5657901	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,01	up
5662887	7064228	1041816	ventral anterior homeobox 1	Vax1	64571	1,03	up
5724416	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,34	down
5791795	7064228	1041815	ventral anterior homeobox 1	Vax1	64571	1,01	up
5878363	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,06	down
5971386	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	2,26	down
6240441	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,11	down
6564537	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,56	up
6596563	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,41	up
6036448	7255502	1511285	ventral anterior homeobox 2	Vax2	64572	1,13	down
6113994	7255502	1511285	ventral anterior homeobox 2	Vax2	64572	1,15	down
6217476	7255502	1511285	ventral anterior homeobox 2	Vax2	64572	1,08	down
6342238	7255502	1511283	ventral anterior homeobox 2	Vax2	64572	2,37	up
6530240	7255502	1511285	ventral anterior homeobox 2	Vax2	64572	1,93	up
6605215	7255502	1511284	ventral anterior homeobox 2	Vax2	64572	1,03	down
6649694	7255502	1511285	ventral anterior homeobox 2	Vax2	64572	1,31	down
5623254	7209367	1397549	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,02	down
5662683	7209367	1397540	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,19	up
5765062	7209367	1397546	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,23	up
5852872	7209367	1397537	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,03	up
5855195	7209367	1397547	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,22	up
5988986	7209367	1397550	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,12	down
6162544	7209367	1397539	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,06	down
6258584	7209367	1397542	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,36	up
6270144	7209367	1397548	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,08	down

6305189	7209367	1397541	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	2,16	down
6325770	7209367	1397545	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,00	up
6387216	7209367	1397544	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,19	down
6408953	7209367	1397543	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,02	up
6513103	7209367	1397538	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,68	up
6524718	7209367	1397551	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,03	up
6553932	7209367	1397545	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,19	down
6613151	7209367	1397541	ventricular zone expressed PH domain homolog 1 (zebrafish)	Veph1	361954	1,00	up
5852515	7071851	1060655	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,32	up
5885164	7071851	1060642	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,19	up
5928369	7071851	1060637	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,18	down
5943371	7071851	1060663	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,74	down
5975188	7071851	1060646	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,51	up
5976896	7071851	1060653	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,04	up
5977414	7071851	1060654	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,61	down
5991102	7071851	1060659	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,03	down
5991736	7071851	1060650	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,12	down
6008301	7071851	1060663	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,16	down
6039346	7071851	1060645	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,14	up
6084120	7071851	1060641	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,05	down
6097011	7071851	1060644	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,27	down
6111168	7071851	1060659	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,37	up
6123359	7071851	1060663	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,04	up
6146088	7071851	1060643	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,46	down
6190314	7071851	1060647	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,22	up
6201018	7071851	1060657	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,00	down
6222861	7071851	1060636	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,29	down
6293492	7071851	1060648	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,13	down
6319392	7071851	1060638	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,44	up
6338695	7071851	1060660	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,31	down
6383141	7071851	1060661	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	2,13	up
6401124	7071851	1060652	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,29	up
6447237	7071851	1060656	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,05	up
6472320	7071851	1060658	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,16	down
6500249	7071851	1060649	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,26	down
6536401	7071851	1060651	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,03	down
6557171	7071851	1060662	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,43	down
6582850	7071851	1060640	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,19	up
6593037	7071851	1060639	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,56	up
6637723	7071851	1060661	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de	Erbb2	24337	1,02	up
5631233	7321394	1675597	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,15	down
5646436	7321394	1675583	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,04	down
5705649	7321394	1675576	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	2,55	up
5755658	7321394	1675572	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,16	down
5785789	7321394	1675589	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,04	down
5804980	7321394	1675592	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,18	up
5824991	7321394	1675572	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,03	up
5925004	7321394	1675573	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,83	up
6053398	7321394	1675581	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,27	down
6076920	7321394	1675587	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,43	down
6089042	7321394	1675575	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,01	up
6127166	7321394	1675584	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,03	down
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	1,44	up
6179139	7321394	1675577	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,04	down
6188701	7321394	1675586	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,04	down

6196002	7321394	1675574	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,63	down
6205913	7321394	1675591	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,00	up
6209899	7321394	1675582	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,23	up
6212671	7321394	1675580	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,01	up
6253605	7321394	1675585	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,45	up
6261969	7321394	1675574	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,10	up
6265945	7321394	1675595	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,27	down
6328355	7321394	1675578	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,06	down
6356033	7321394	1675579	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,27	down
6410262	7321394	1675598	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,08	down
6473445	7321394	1675596	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,39	up
6506640	7321394	1675571	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,01	up
6526764	7321394	1675572	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,52	down
6583254	7321394	1675588	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,10	down
6699479	7321394	1675594	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,68	up
6723896	7321394	1675593	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,15	down
6733394	7321394	1675591	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	29496	1,18	down
5718249	7107066	1144779	vesicle-associated membrane protein 4	Vamp4	364033	1,14	down
5775797	7107066	1144786	vesicle-associated membrane protein 4	Vamp4	364033	1,18	up
5976262	7107066	1144780	vesicle-associated membrane protein 4	Vamp4	364033	1,30	down
6016978	7107066	1144774	vesicle-associated membrane protein 4	Vamp4	364033	1,53	up
6125947	7107066	1144782	vesicle-associated membrane protein 4	Vamp4	364033	1,06	up
6282768	7107066	1144786	vesicle-associated membrane protein 4	Vamp4	364033	1,00	down
6421935	7107066	1144776	vesicle-associated membrane protein 4	Vamp4	364033	1,01	up
6474579	7107066	1144775	vesicle-associated membrane protein 4	Vamp4	364033	1,10	up
6534843	7107066	1144785	vesicle-associated membrane protein 4	Vamp4	364033	1,46	up
6713338	7107066	1144781	vesicle-associated membrane protein 4	Vamp4	364033	1,00	up
6228493	7367959	1789071	vimentin-type intermediate filament associated coiled-coil protein	Vmac	363327	1,69	up
6263966	7367959	1789073	vimentin-type intermediate filament associated coiled-coil protein	Vmac	363327	1,16	down
5632276	7136062	1216285	vinculin	Vcl	305679	1,15	up
5672878	7136062	1216273	vinculin	Vcl	305679	1,09	up
5697152	7136062	1216286	vinculin	Vcl	305679	1,08	up
5701685	7136062	1216277	vinculin	Vcl	305679	1,98	down
5702190	7136062	1216274	vinculin	Vcl	305679	1,33	down
5760786	7136062	1216296	vinculin	Vcl	305679	1,05	up
5785094	7136062	1216279	vinculin	Vcl	305679	1,00	up
5841484	7136062	1216300	vinculin	Vcl	305679	1,31	down
5880899	7136062	1216281	vinculin	Vcl	305679	1,05	down
6178330	7136062	1216298	vinculin	Vcl	305679	1,01	down
6200218	7136062	1216272	vinculin	Vcl	305679	1,11	up
6237861	7136062	1216284	vinculin	Vcl	305679	1,17	down
6242791	7136062	1216278	vinculin	Vcl	305679	1,12	down
6273710	7136062	1216288	vinculin	Vcl	305679	1,30	down
6291460	7136062	1216275	vinculin	Vcl	305679	1,15	down
6323545	7136062	1216305	vinculin	Vcl	305679	1,50	up
6407135	7136062	1216277	vinculin	Vcl	305679	1,17	up
6426766	7136062	1216297	vinculin	Vcl	305679	1,28	up
6499302	7136062	1216272	vinculin	Vcl	305679	1,61	up
6544790	7136062	1216282	vinculin	Vcl	305679	1,00	down
6569537	7136062	1216295	vinculin	Vcl	305679	1,15	down
6569797	7136062	1216289	vinculin	Vcl	305679	1,16	up
6681930	7136062	1216280	vinculin	Vcl	305679	1,08	down
6722047	7136062	1216287	vinculin	Vcl	305679	1,16	up
6722277	7136062	1216298	vinculin	Vcl	305679	1,21	up
6725921	7136062	1216272	vinculin	Vcl	305679	2,45	down
5833235	7294151	1606586	vitrin	Vit	313831	1,08	down

5956322	7294151	1606592	vitrin	Vit	313831	2,02	down
6373009	7294151	1606636	vitrin	Vit	313831	1,51	down
6484406	7294151	1606586	vitrin	Vit	313831	1,02	up
6533452	7294151	1606586	vitrin	Vit	313831	1,91	up
6257879	7271135	1550342	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	Kras	24525	1,03	down
6388622	7271135	1550340	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	Kras	24525	1,25	down
6522947	7271135	1550343	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	Kras	24525	2,11	up
6625752	7271135	1550341	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	Kras	24525	1,07	down
5925141	7257439	1516285	von Hippel-Lindau tumor suppressor	Vhl	24874	1,30	up
5947369	7257439	1516285	von Hippel-Lindau tumor suppressor	Vhl	24874	2,59	down
5967964	7257439	1516287	von Hippel-Lindau tumor suppressor	Vhl	24874	1,08	up
6223944	7257439	1516286	von Hippel-Lindau tumor suppressor	Vhl	24874	1,28	up
6228116	7257439	1516285	von Hippel-Lindau tumor suppressor	Vhl	24874	1,11	up
6228879	7257439	1516287	von Hippel-Lindau tumor suppressor	Vhl	24874	1,07	up
6337804	7257439	1516288	von Hippel-Lindau tumor suppressor	Vhl	24874	1,08	down
6512455	7257439	1516285	von Hippel-Lindau tumor suppressor	Vhl	24874	2,27	down
5687369	7334980	1707157	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,05	down
5711445	7334980	1707165	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,21	up
5733294	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,04	up
5763232	7334980	1707163	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,23	up
5784076	7334980	1707160	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,06	up
5791549	7334980	1707155	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,16	up
5854962	7334980	1707158	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,34	down
5861458	7334980	1707168	von Willebrand factor A domain containing 5A	Vwa5a	301097	7,99	down
5897716	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	2,14	down
5905300	7334980	1707151	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,35	down
5939209	7334980	1707161	von Willebrand factor A domain containing 5A	Vwa5a	301097	2,37	down
6084334	7334980	1707167	von Willebrand factor A domain containing 5A	Vwa5a	301097	9,22	down
6084946	7334980	1707162	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,28	up
6318659	7334980	1707154	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,28	up
6432831	7334980	1707164	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,07	up
6457562	7334980	1707150	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,16	down
6459146	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,04	up
6544400	7334980	1707153	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,08	up
6567289	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,76	down
6581747	7334980	1707159	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,05	up
6598585	7334980	1707156	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,16	up
6620053	7334980	1707152	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,30	up
5641893	7292364	1602105	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,05	up
5774123	7292364	1602109	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,27	down
5810506	7292364	1602112	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,15	down
5863298	7292364	1602101	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,64	down
5961930	7292364	1602108	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,15	down
5992660	7292364	1602100	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,64	up
6018646	7292364	1602123	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,19	down
6024716	7292364	1602115	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,67	down
6138866	7292364	1602102	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,12	up
6145203	7292364	1602106	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,29	up
6158038	7292364	1602113	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,10	up
6199589	7292364	1602111	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,08	down
6208208	7292364	1602117	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,22	down
6217882	7292364	1602126	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,26	up
6256111	7292364	1602125	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,37	down
6388776	7292364	1602122	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,05	down
6441040	7292364	1602114	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	2,00	down
6447694	7292364	1602103	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,15	up

6463413	7292364	1602120	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,17	down
6482714	7292364	1602108	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,89	down
6547033	7292364	1602125	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,21	up
6604337	7292364	1602121	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,28	down
6692777	7292364	1602123	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,99	down
6694590	7292364	1602130	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,06	up
6745706	7292364	1602107	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,77	down
5619744	7033541	969980	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,13	up
5628136	7033541	969975	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,57	down
5639112	7033541	969983	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,01	down
5714076	7033541	969987	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,24	up
5723481	7033541	969986	WAS protein homology region 2 domain containing 1	Whdc1	293057	2,01	down
5776208	7033541	969985	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,12	up
5843076	7033541	969975	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,89	down
5868154	7033541	969974	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,54	down
5884136	7033541	969978	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,04	down
5899073	7033541	969985	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,27	up
6033171	7033541	969986	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,09	up
6063848	7033541	969974	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,54	down
6100171	7033541	969980	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,11	up
6111102	7033541	969981	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,03	up
6126236	7033541	969974	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,33	down
6281623	7033541	969984	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,13	up
6443472	7033541	969985	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,18	down
6514931	7033541	969986	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,20	up
6673055	7033541	969982	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,26	down
6688054	7033541	969976	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,57	up
6723202	7033541	969979	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,38	up
6657158	7071969	1060902	WAS/WASL interacting protein family, member 2	Wipf2	360620	1,39	up
5700721	7362759	1776134	WD repeat domain 12	Wdr12	363237	1,02	down
5818528	7362759	1776140	WD repeat domain 12	Wdr12	363237	1,18	up
5819096	7362759	1776133	WD repeat domain 12	Wdr12	363237	1,01	down
5845712	7362759	1776139	WD repeat domain 12	Wdr12	363237	1,30	up
6039606	7362759	1776132	WD repeat domain 12	Wdr12	363237	1,86	down
6132439	7362759	1776142	WD repeat domain 12	Wdr12	363237	1,97	up
6292082	7362759	1776138	WD repeat domain 12	Wdr12	363237	1,61	up
6292311	7362759	1776143	WD repeat domain 12	Wdr12	363237	3,43	up
6329090	7362759	1776137	WD repeat domain 12	Wdr12	363237	1,29	down
6366719	7362759	1776141	WD repeat domain 12	Wdr12	363237	1,25	up
6630967	7362759	1776134	WD repeat domain 12	Wdr12	363237	1,34	down
6657652	7362759	1776144	WD repeat domain 12	Wdr12	363237	1,01	down
6694907	7362759	1776136	WD repeat domain 12	Wdr12	363237	1,33	up
6703643	7362759	1776135	WD repeat domain 12	Wdr12	363237	1,12	up
5653656	7322388	1677328	WD repeat domain 18	Wdr18	314617	1,11	down
5852798	7322388	1677328	WD repeat domain 18	Wdr18	314617	2,01	up
5938187	7322388	1677324	WD repeat domain 18	Wdr18	314617	1,02	down
6027490	7322388	1677323	WD repeat domain 18	Wdr18	314617	1,01	up
6058760	7322388	1677320	WD repeat domain 18	Wdr18	314617	1,17	down
6172010	7322388	1677326	WD repeat domain 18	Wdr18	314617	1,14	down
6481630	7322388	1677327	WD repeat domain 18	Wdr18	314617	1,24	up
6697997	7322388	1677321	WD repeat domain 18	Wdr18	314617	1,14	down
6721550	7322388	1677322	WD repeat domain 18	Wdr18	314617	1,78	up
5627612	7296131	1611501	WD repeat domain 35-like	Wdr35l	503018	1,03	down
5696075	7296131	1611480	WD repeat domain 35-like	Wdr35l	503018	1,47	down
5731982	7296131	1611503	WD repeat domain 35-like	Wdr35l	503018	1,57	down
5795291	7296131	1611500	WD repeat domain 35-like	Wdr35l	503018	1,13	up

5813251	7296131	1611494	WD repeat domain 35-like	Wdr351	503018	1,32	down
5850699	7296131	1611483	WD repeat domain 35-like	Wdr351	503018	1,03	down
5901095	7296131	1611502	WD repeat domain 35-like	Wdr351	503018	1,12	down
6139627	7296131	1611487	WD repeat domain 35-like	Wdr351	503018	1,13	up
6205427	7296131	1611479	WD repeat domain 35-like	Wdr351	503018	1,14	down
6233609	7296131	1611486	WD repeat domain 35-like	Wdr351	503018	1,09	up
6268987	7296131	1611482	WD repeat domain 35-like	Wdr351	503018	1,10	down
6286090	7296131	1611503	WD repeat domain 35-like	Wdr351	503018	1,31	down
6320128	7296131	1611496	WD repeat domain 35-like	Wdr351	503018	1,31	up
6335771	7296131	1611490	WD repeat domain 35-like	Wdr351	503018	2,60	down
6349462	7296131	1611499	WD repeat domain 35-like	Wdr351	503018	1,27	up
6356323	7296131	1611488	WD repeat domain 35-like	Wdr351	503018	1,14	up
6394671	7296131	1611498	WD repeat domain 35-like	Wdr351	503018	1,33	up
6401575	7296131	1611484	WD repeat domain 35-like	Wdr351	503018	1,85	up
6453736	7296131	1611493	WD repeat domain 35-like	Wdr351	503018	1,05	down
6510885	7296131	1611497	WD repeat domain 35-like	Wdr351	503018	1,12	down
6571040	7296131	1611485	WD repeat domain 35-like	Wdr351	503018	1,09	up
6672894	7296131	1611495	WD repeat domain 35-like	Wdr351	503018	1,02	down
5636707	7341394	1723616	WD repeat domain 48	Wdr48	363164	1,54	up
5704354	7341394	1723612	WD repeat domain 48	Wdr48	363164	1,02	up
5709978	7341394	1723611	WD repeat domain 48	Wdr48	363164	1,21	down
5769572	7341394	1723609	WD repeat domain 48	Wdr48	363164	1,27	down
5772544	7341394	1723599	WD repeat domain 48	Wdr48	363164	1,14	up
5933568	7341394	1723614	WD repeat domain 48	Wdr48	363164	1,07	down
6010461	7341394	1723600	WD repeat domain 48	Wdr48	363164	1,19	down
6029536	7341394	1723602	WD repeat domain 48	Wdr48	363164	1,25	up
6088656	7341394	1723616	WD repeat domain 48	Wdr48	363164	3,55	down
6107318	7341394	1723598	WD repeat domain 48	Wdr48	363164	1,41	down
6145730	7341394	1723615	WD repeat domain 48	Wdr48	363164	1,09	up
6279371	7341394	1723606	WD repeat domain 48	Wdr48	363164	1,41	up
6354077	7341394	1723607	WD repeat domain 48	Wdr48	363164	1,02	down
6368322	7341394	1723593	WD repeat domain 48	Wdr48	363164	1,08	up
6391836	7341394	1723615	WD repeat domain 48	Wdr48	363164	1,63	down
6402873	7341394	1723608	WD repeat domain 48	Wdr48	363164	1,06	down
6552101	7341394	1723597	WD repeat domain 48	Wdr48	363164	1,14	up
6566949	7341394	1723610	WD repeat domain 48	Wdr48	363164	1,00	down
6610990	7341394	1723601	WD repeat domain 48	Wdr48	363164	1,31	down
6630981	7341394	1723603	WD repeat domain 48	Wdr48	363164	1,26	down
6662592	7341394	1723605	WD repeat domain 48	Wdr48	363164	1,03	down
6679746	7341394	1723618	WD repeat domain 48	Wdr48	363164	1,03	down
6703487	7341394	1723617	WD repeat domain 48	Wdr48	363164	1,28	down
5822239	7266532	1538296	WD repeat domain 54	Wdr54	500226	1,20	up
5871889	7266532	1538292	WD repeat domain 54	Wdr54	500226	1,23	up
5904261	7266532	1538294	WD repeat domain 54	Wdr54	500226	1,16	up
6125413	7266532	1538297	WD repeat domain 54	Wdr54	500226	1,17	up
6211389	7266532	1538293	WD repeat domain 54	Wdr54	500226	2,07	down
6231453	7266532	1538293	WD repeat domain 54	Wdr54	500226	1,41	up
6394473	7266532	1538300	WD repeat domain 54	Wdr54	500226	1,05	down
6422092	7266532	1538301	WD repeat domain 54	Wdr54	500226	1,56	down
6464668	7266532	1538295	WD repeat domain 54	Wdr54	500226	1,02	down
6553525	7266532	1538298	WD repeat domain 54	Wdr54	500226	1,20	down
6596041	7266532	1538302	WD repeat domain 54	Wdr54	500226	1,21	down
6619515	7266532	1538302	WD repeat domain 54	Wdr54	500226	1,09	up
6658279	7266532	1538291	WD repeat domain 54	Wdr54	500226	1,18	down
6690139	7266532	1538299	WD repeat domain 54	Wdr54	500226	1,39	up
6295331	7350032	1745147	WD repeat domain 6	Wdr6	301007	1,21	down

6328429	7350032	1745149	WD repeat domain 6	Wdr6	301007	2,50	up
6634621	7350032	1745148	WD repeat domain 6	Wdr6	301007	1,03	up
5628311	7311218	1650365	WD repeat domain 60	Wdr60	314523	1,23	up
6094556	7311218	1650336	WD repeat domain 60	Wdr60	314523	1,08	down
6644309	7311218	1650365	WD repeat domain 60	Wdr60	314523	1,10	up
5669829	7215394	1411265	WD repeat domain 63	Wdr63	292165	1,42	down
5732673	7215394	1411259	WD repeat domain 63	Wdr63	292165	1,02	up
5797361	7215394	1411266	WD repeat domain 63	Wdr63	292165	1,12	up
5845320	7215394	1411250	WD repeat domain 63	Wdr63	292165	1,12	down
5934249	7215394	1411263	WD repeat domain 63	Wdr63	292165	1,32	up
5935358	7215394	1411253	WD repeat domain 63	Wdr63	292165	1,04	up
5952063	7215394	1411270	WD repeat domain 63	Wdr63	292165	1,00	up
5953597	7215394	1411255	WD repeat domain 63	Wdr63	292165	1,10	down
6071314	7215394	1411258	WD repeat domain 63	Wdr63	292165	1,27	up
6189640	7215394	1411268	WD repeat domain 63	Wdr63	292165	1,02	down
6223236	7215394	1411252	WD repeat domain 63	Wdr63	292165	1,00	down
6271231	7215394	1411251	WD repeat domain 63	Wdr63	292165	1,30	down
6316982	7215394	1411250	WD repeat domain 63	Wdr63	292165	1,06	down
6322365	7215394	1411258	WD repeat domain 63	Wdr63	292165	1,03	down
6437192	7215394	1411257	WD repeat domain 63	Wdr63	292165	2,58	up
6464813	7215394	1411261	WD repeat domain 63	Wdr63	292165	1,32	up
6483948	7215394	1411274	WD repeat domain 63	Wdr63	292165	1,19	up
6484131	7215394	1411264	WD repeat domain 63	Wdr63	292165	1,33	down
6518462	7215394	1411271	WD repeat domain 63	Wdr63	292165	1,30	down
6521339	7215394	1411272	WD repeat domain 63	Wdr63	292165	1,87	down
6542965	7215394	1411258	WD repeat domain 63	Wdr63	292165	1,00	up
6613944	7215394	1411262	WD repeat domain 63	Wdr63	292165	1,30	down
6632010	7215394	1411269	WD repeat domain 63	Wdr63	292165	1,05	down
6656302	7215394	1411267	WD repeat domain 63	Wdr63	292165	1,08	up
6683534	7215394	1411250	WD repeat domain 63	Wdr63	292165	1,00	up
6722405	7215394	1411260	WD repeat domain 63	Wdr63	292165	1,54	up
6734361	7215394	1411275	WD repeat domain 63	Wdr63	292165	1,27	down
5761100	7039463	984252	WD repeat domain 74	Wdr74	690229	1,12	up
5903189	7039463	984248	WD repeat domain 74	Wdr74	690229	1,33	up
5903520	7039463	984252	WD repeat domain 74	Wdr74	690229	1,06	up
6005701	7039463	984251	WD repeat domain 74	Wdr74	690229	1,38	up
6035198	7039463	984245	WD repeat domain 74	Wdr74	690229	1,19	down
6304624	7039463	984247	WD repeat domain 74	Wdr74	690229	1,16	up
6312875	7039463	984254	WD repeat domain 74	Wdr74	690229	1,06	down
6378729	7039463	984243	WD repeat domain 74	Wdr74	690229	1,25	down
6388923	7039463	984249	WD repeat domain 74	Wdr74	690229	1,13	up
6418282	7039463	984244	WD repeat domain 74	Wdr74	690229	1,35	down
6487450	7039463	984253	WD repeat domain 74	Wdr74	690229	1,58	up
6708648	7039463	984254	WD repeat domain 74	Wdr74	690229	1,59	down
6141529	7231835	1452294	WD repeat domain 76	Wdr76	311361	1,38	up
5659439	7289382	1595195	WD repeat domain 78	Wdr78	313417	1,11	down
5671504	7289382	1595192	WD repeat domain 78	Wdr78	313417	1,02	up
5757813	7289382	1595195	WD repeat domain 78	Wdr78	313417	1,92	up
5775761	7289382	1595186	WD repeat domain 78	Wdr78	313417	1,30	down
5875317	7289382	1595197	WD repeat domain 78	Wdr78	313417	1,11	up
5877307	7289382	1595203	WD repeat domain 78	Wdr78	313417	1,35	up
5956473	7289382	1595184	WD repeat domain 78	Wdr78	313417	1,09	down
5981440	7289382	1595207	WD repeat domain 78	Wdr78	313417	1,43	down
6111530	7289382	1595190	WD repeat domain 78	Wdr78	313417	1,01	up
6125213	7289382	1595194	WD repeat domain 78	Wdr78	313417	1,03	down
6142033	7289382	1595202	WD repeat domain 78	Wdr78	313417	1,11	up

6143807	7289382	1595205	WD repeat domain 78	Wdr78	313417	1,41	down
6181539	7289382	1595208	WD repeat domain 78	Wdr78	313417	1,26	down
6319197	7289382	1595204	WD repeat domain 78	Wdr78	313417	1,28	down
6523334	7289382	1595189	WD repeat domain 78	Wdr78	313417	1,08	up
6622956	7289382	1595203	WD repeat domain 78	Wdr78	313417	1,03	up
6655774	7289382	1595188	WD repeat domain 78	Wdr78	313417	1,03	down
6657696	7289382	1595201	WD repeat domain 78	Wdr78	313417	1,06	down
6688619	7289382	1595191	WD repeat domain 78	Wdr78	313417	1,11	down
6695524	7289382	1595188	WD repeat domain 78	Wdr78	313417	1,59	down
6723972	7289382	1595212	WD repeat domain 78	Wdr78	313417	1,02	up
5770539	7101362	1130820	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,14	down
5862522	7101362	1130824	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,05	down
5885115	7101362	1130819	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,34	down
5932580	7101362	1130821	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,17	up
5950519	7101362	1130819	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,06	down
6010221	7101362	1130821	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,04	down
6109496	7101362	1130819	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,32	up
6351156	7101362	1130825	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,53	up
6405775	7101362	1130826	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,04	down
6408193	7101362	1130818	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,05	up
6679057	7101362	1130823	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	2,57	up
6746432	7101362	1130821	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,58	down
5755988	7331602	1699634	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	2,56	up
5802085	7331602	1699637	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	1,41	down
5807843	7331602	1699639	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	1,29	up
5882612	7331602	1699635	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	1,36	up
6034032	7331602	1699640	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	1,08	down
6532690	7331602	1699640	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	1,05	up
6580852	7331602	1699636	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	1,01	down
6604405	7331602	1699642	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	1,01	down
6704241	7331602	1699636	wingless-type MMTV integration site family, member 10B	Wnt10b	315294	2,21	up
5651521	7373657	1805795	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,43	up
5688517	7373657	1805794	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,30	down
5811640	7373657	1805787	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,07	down
5883654	7373657	1805781	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,09	down
5914636	7373657	1805786	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,09	up
6008761	7373657	1805791	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,11	up
6055489	7373657	1805793	Wiskott-Aldrich syndrome homolog (human)	Was	317371	2,34	up
6192367	7373657	1805790	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,06	down
6215214	7373657	1805792	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,46	up
6257996	7373657	1805784	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,01	down
6303857	7373657	1805789	Wiskott-Aldrich syndrome homolog (human)	Was	317371	2,62	up
6430742	7373657	1805782	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,49	up
6470771	7373657	1805788	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,37	down
6568550	7373657	1805781	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,78	down
6587133	7373657	1805792	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,00	up
6598165	7373657	1805785	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,04	down
6679700	7373657	1805783	Wiskott-Aldrich syndrome homolog (human)	Was	317371	1,01	down
5651774	7270558	1548507	WW domain binding protein 11	Wbp11	297695	1,08	down
5749380	7270558	1548503	WW domain binding protein 11	Wbp11	297695	1,19	down
5820373	7270558	1548501	WW domain binding protein 11	Wbp11	297695	1,28	down
5866411	7270558	1548502	WW domain binding protein 11	Wbp11	297695	1,11	up
5867961	7270558	1548506	WW domain binding protein 11	Wbp11	297695	1,11	up
6002094	7270558	1548500	WW domain binding protein 11	Wbp11	297695	1,13	up
6068167	7270558	1548504	WW domain binding protein 11	Wbp11	297695	1,08	up
6106392	7270558	1548505	WW domain binding protein 11	Wbp11	297695	1,20	up

6251485	7270558	1548501	WW domain binding protein 11	Wbp11	297695	1,10	down
6259723	7270558	1548507	WW domain binding protein 11	Wbp11	297695	1,55	up
6280758	7270558	1548506	WW domain binding protein 11	Wbp11	297695	1,26	down
6317656	7270558	1548509	WW domain binding protein 11	Wbp11	297695	1,26	down
6590082	7270558	1548508	WW domain binding protein 11	Wbp11	297695	1,06	up
6649592	7270558	1548510	WW domain binding protein 11	Wbp11	297695	1,01	up
6732275	7270558	1548510	WW domain binding protein 11	Wbp11	297695	2,33	down
5683886	7112570	1158656	xenotropic and polytropic retrovirus receptor 1	Xpr1	289424	1,30	down
5739783	7112570	1158688	xenotropic and polytropic retrovirus receptor 1	Xpr1	289424	1,11	up
6038830	7112570	1158657	xenotropic and polytropic retrovirus receptor 1	Xpr1	289424	1,04	up
6629831	7112570	1158686	xenotropic and polytropic retrovirus receptor 1	Xpr1	289424	1,08	down
5750626	7285897	1586643	xeroderma pigmentosum, complementation group A	Xpa	298074	1,69	up
6164750	7285897	1586637	xeroderma pigmentosum, complementation group A	Xpa	298074	1,00	down
6194421	7285897	1586645	xeroderma pigmentosum, complementation group A	Xpa	298074	1,16	up
6315621	7285897	1586641	xeroderma pigmentosum, complementation group A	Xpa	298074	2,24	down
6487228	7285897	1586642	xeroderma pigmentosum, complementation group A	Xpa	298074	1,01	up
6698211	7285897	1586646	xeroderma pigmentosum, complementation group A	Xpa	298074	1,32	up
5930476	7319065	1669986	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,30	up
6001611	7319065	1669993	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,13	down
6152460	7319065	1669995	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,62	up
6170634	7319065	1669983	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,15	down
6285576	7319065	1669984	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,09	down
6301811	7319065	1669975	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,20	down
6493589	7319065	1669990	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,04	up
6531644	7319065	1669988	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,00	up
6537963	7319065	1669989	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,01	up
6594088	7319065	1669996	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,27	down
6642044	7319065	1669992	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,00	down
6678521	7319065	1669978	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,01	down
6743646	7319065	1669993	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	Xpnpep3	685823	1,35	down
5676287	7034532	972645	X-ray radiation resistance associated 1	Xrra1	365313	1,32	down
5823874	7034532	972641	X-ray radiation resistance associated 1	Xrra1	365313	1,00	down
5892081	7034532	972644	X-ray radiation resistance associated 1	Xrra1	365313	1,02	down
6058860	7034532	972640	X-ray radiation resistance associated 1	Xrra1	365313	1,04	up
6194542	7034532	972642	X-ray radiation resistance associated 1	Xrra1	365313	1,22	down
6224807	7034532	972645	X-ray radiation resistance associated 1	Xrra1	365313	1,21	down
6273261	7034532	972633	X-ray radiation resistance associated 1	Xrra1	365313	1,01	down
6327088	7034532	972637	X-ray radiation resistance associated 1	Xrra1	365313	1,55	down
6379053	7034532	972635	X-ray radiation resistance associated 1	Xrra1	365313	1,01	up
6565372	7034532	972638	X-ray radiation resistance associated 1	Xrra1	365313	1,00	down
6632256	7034532	972639	X-ray radiation resistance associated 1	Xrra1	365313	1,05	down
5654609	7161992	1280151	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I	B4galt7	364675	1,13	down
5756214	7161992	1280153	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I	B4galt7	364675	1,27	down
5786619	7161992	1280158	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I	B4galt7	364675	2,68	up
5789975	7161992	1280152	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I	B4galt7	364675	1,15	up
6379540	7161992	1280151	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I	B4galt7	364675	1,24	down
6403902	7161992	1280152	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I	B4galt7	364675	1,14	down
6463410	7161992	1280152	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I	B4galt7	364675	1,21	down
6326852	7069142	1053881	Y box binding protein 2	Ybx2	303250	1,50	up
6557845	7069142	1053881	Y box binding protein 2	Ybx2	303250	1,19	up
6713144	7069142	1053881	Y box binding protein 2	Ybx2	303250	1,02	down
5635542	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,02	down
5636433	7303722	1631722	yippee-like 5 (Drosophila)	Ypel5	298792	1,39	down
5757363	7303722	1631713	yippee-like 5 (Drosophila)	Ypel5	298792	1,09	up
5758787	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,04	up
5783148	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,11	down

6135055	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	2,48	down
6183191	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,33	up
6210207	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,00	up
5654563	7192186	1355620	YTH domain family, member 3	Ythdf3	361920	1,19	down
6092746	7192186	1355621	YTH domain family, member 3	Ythdf3	361920	1,07	up
6161893	7192186	1355613	YTH domain family, member 3	Ythdf3	361920	1,10	down
6635695	7192186	1355618	YTH domain family, member 3	Ythdf3	361920	1,12	down
5745893	7339110	1717616	Zic family member 4	Zic4	315882	1,42	up
5790248	7339110	1717617	Zic family member 4	Zic4	315882	1,17	up
6262398	7339110	1717619	Zic family member 4	Zic4	315882	1,01	down
5643823	7374740	1808620	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,11	down
5649718	7374740	1808633	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,05	up
5718302	7374740	1808625	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,35	down
5865572	7374740	1808624	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	2,53	down
5870014	7374740	1808623	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,02	down
6018419	7374740	1808635	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,23	down
6205719	7374740	1808630	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,01	down
6312327	7374740	1808626	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,30	up
6430212	7374740	1808632	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,15	up
6432159	7374740	1808631	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,14	up
6512590	7374740	1808635	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,60	down
6520435	7374740	1808629	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,12	down
6571872	7374740	1808623	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,27	up
6637505	7374740	1808621	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,13	up
5677605	7206349	1390446	zinc finger and BTB domain containing 10	Zbtb10	80338	1,06	up
5769426	7206349	1390447	zinc finger and BTB domain containing 10	Zbtb10	80338	1,33	down
5917184	7206349	1390454	zinc finger and BTB domain containing 10	Zbtb10	80338	1,54	up
6003532	7206349	1390449	zinc finger and BTB domain containing 10	Zbtb10	80338	1,36	down
6031959	7206349	1390453	zinc finger and BTB domain containing 10	Zbtb10	80338	2,15	down
6041637	7206349	1390451	zinc finger and BTB domain containing 10	Zbtb10	80338	1,09	up
6240912	7206349	1390447	zinc finger and BTB domain containing 10	Zbtb10	80338	1,11	up
6316284	7206349	1390452	zinc finger and BTB domain containing 10	Zbtb10	80338	1,01	down
6353474	7206349	1390453	zinc finger and BTB domain containing 10	Zbtb10	80338	1,39	up
6426566	7206349	1390446	zinc finger and BTB domain containing 10	Zbtb10	80338	1,06	down
6487212	7206349	1390448	zinc finger and BTB domain containing 10	Zbtb10	80338	1,02	up
6597112	7206349	1390454	zinc finger and BTB domain containing 10	Zbtb10	80338	1,12	down
6724466	7206349	1390450	zinc finger and BTB domain containing 10	Zbtb10	80338	1,13	up
5633026	7281147	1575742	zinc finger and BTB domain containing 17	Zbtb17	313666	1,28	up
5633275	7281147	1575745	zinc finger and BTB domain containing 17	Zbtb17	313666	1,01	down
5687897	7281147	1575746	zinc finger and BTB domain containing 17	Zbtb17	313666	1,24	up
5709333	7281147	1575738	zinc finger and BTB domain containing 17	Zbtb17	313666	2,14	up
5850769	7281147	1575743	zinc finger and BTB domain containing 17	Zbtb17	313666	1,33	up
5881149	7281147	1575750	zinc finger and BTB domain containing 17	Zbtb17	313666	1,01	down
5956802	7281147	1575739	zinc finger and BTB domain containing 17	Zbtb17	313666	1,03	down
6149414	7281147	1575740	zinc finger and BTB domain containing 17	Zbtb17	313666	1,10	down
6161192	7281147	1575749	zinc finger and BTB domain containing 17	Zbtb17	313666	1,73	up
6355085	7281147	1575741	zinc finger and BTB domain containing 17	Zbtb17	313666	1,22	up
6478070	7281147	1575736	zinc finger and BTB domain containing 17	Zbtb17	313666	1,28	down
6537660	7281147	1575744	zinc finger and BTB domain containing 17	Zbtb17	313666	1,33	up
6611104	7281147	1575735	zinc finger and BTB domain containing 17	Zbtb17	313666	1,02	up
6632545	7281147	1575751	zinc finger and BTB domain containing 17	Zbtb17	313666	1,50	down
6632715	7281147	1575748	zinc finger and BTB domain containing 17	Zbtb17	313666	1,14	down
6660151	7281147	1575750	zinc finger and BTB domain containing 17	Zbtb17	313666	2,08	down
6709051	7281147	1575737	zinc finger and BTB domain containing 17	Zbtb17	313666	1,84	up
6739599	7281147	1575747	zinc finger and BTB domain containing 17	Zbtb17	313666	1,28	down
5793511	7237725	1467554	zinc finger and BTB domain containing 43	Zbtb43	311872	1,53	down

5879156	7237725	1467551	zinc finger and BTB domain containing 43	Zbtb43	311872	1,25	up
5893215	7237725	1467551	zinc finger and BTB domain containing 43	Zbtb43	311872	1,21	down
5899360	7237725	1467553	zinc finger and BTB domain containing 43	Zbtb43	311872	2,10	up
6054043	7237725	1467550	zinc finger and BTB domain containing 43	Zbtb43	311872	1,13	down
6189600	7237725	1467552	zinc finger and BTB domain containing 43	Zbtb43	311872	1,37	down
6325578	7237725	1467551	zinc finger and BTB domain containing 43	Zbtb43	311872	1,20	up
5663051	7290942	1599134	zinc finger CCCH type containing 12A	Zc3h12a	313587	2,36	up
5804068	7290942	1599135	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,14	down
5853885	7290942	1599138	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,36	up
5905331	7290942	1599131	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,48	down
6028004	7290942	1599132	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,49	up
6032991	7290942	1599131	zinc finger CCCH type containing 12A	Zc3h12a	313587	2,23	down
6230308	7290942	1599133	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,38	up
6351883	7290942	1599138	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,97	up
5645113	7064732	1042932	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,10	down
5657773	7064732	1042932	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,01	down
5673460	7064732	1042924	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,15	down
5677154	7064732	1042921	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,14	up
5678857	7064732	1042911	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,17	up
5817771	7064732	1042916	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,08	up
5830804	7064732	1042936	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,25	down
5943499	7064732	1042915	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,76	up
6015462	7064732	1042913	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,33	up
6062139	7064732	1042920	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,17	up
6119092	7064732	1042926	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,23	up
6260083	7064732	1042934	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,30	up
6283778	7064732	1042927	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,01	up
6350431	7064732	1042935	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,31	down
6350619	7064732	1042914	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,19	up
6360112	7064732	1042922	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,40	up
6371471	7064732	1042918	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,03	down
6521018	7064732	1042925	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,06	up
6545671	7064732	1042919	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,29	up
6573656	7064732	1042928	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,18	up
6616429	7064732	1042923	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,23	up
6632164	7064732	1042933	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,58	down
6695414	7064732	1042917	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,02	down
6719832	7064732	1042922	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,17	down
6737456	7064732	1042912	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,01	up
5772082	7229382	1446271	zinc finger CCCH-type containing 15	Zc3h15	362154	1,01	up
5962765	7229382	1446266	zinc finger CCCH-type containing 15	Zc3h15	362154	1,10	down
6177284	7229382	1446271	zinc finger CCCH-type containing 15	Zc3h15	362154	1,28	up
6316344	7229382	1446265	zinc finger CCCH-type containing 15	Zc3h15	362154	1,15	up
6364548	7229382	1446271	zinc finger CCCH-type containing 15	Zc3h15	362154	1,01	down
6392879	7229382	1446267	zinc finger CCCH-type containing 15	Zc3h15	362154	1,44	up
6414720	7229382	1446264	zinc finger CCCH-type containing 15	Zc3h15	362154	1,01	up
6472378	7229382	1446269	zinc finger CCCH-type containing 15	Zc3h15	362154	1,22	up
6489732	7229382	1446261	zinc finger CCCH-type containing 15	Zc3h15	362154	1,07	up
6566077	7229382	1446262	zinc finger CCCH-type containing 15	Zc3h15	362154	2,01	down
6628350	7229382	1446263	zinc finger CCCH-type containing 15	Zc3h15	362154	2,40	down
6686879	7229382	1446270	zinc finger CCCH-type containing 15	Zc3h15	362154	1,04	down
6728669	7229382	1446268	zinc finger CCCH-type containing 15	Zc3h15	362154	1,14	down
6737875	7229382	1446261	zinc finger CCCH-type containing 15	Zc3h15	362154	1,43	down
5689368	7319151	1670138	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,06	down
5708942	7319151	1670134	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,01	up
5776151	7319151	1670121	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,08	up

5844151	7319151	1670140	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,14	down
5890610	7319151	1670123	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,13	up
5952359	7319151	1670118	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,01	up
6086088	7319151	1670127	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,51	up
6115782	7319151	1670122	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,05	up
6188341	7319151	1670117	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,12	up
6207249	7319151	1670124	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,16	up
6277125	7319151	1670131	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,12	down
6296269	7319151	1670128	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
6329366	7319151	1670125	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,30	down
6334360	7319151	1670130	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,21	up
6373190	7319151	1670129	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,04	up
6393002	7319151	1670119	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,02	down
6432559	7319151	1670116	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,14	down
6479824	7319151	1670115	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,30	down
6492066	7319151	1670139	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,15	up
6541543	7319151	1670135	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,15	up
6579453	7319151	1670126	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,09	down
6673575	7319151	1670136	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,40	up
5754073	7180861	1327176	zinc finger homeobox 3	Zfhx3	307829	1,10	down
5800698	7180861	1327225	zinc finger homeobox 3	Zfhx3	307829	1,57	down
6006309	7180861	1327176	zinc finger homeobox 3	Zfhx3	307829	1,56	up
6093538	7180861	1327226	zinc finger homeobox 3	Zfhx3	307829	1,21	down
6525406	7180861	1327176	zinc finger homeobox 3	Zfhx3	307829	1,21	up
6566250	7180861	1327176	zinc finger homeobox 3	Zfhx3	307829	1,30	down
5681918	7048757	1007020	zinc finger protein 111	Zfp111	170849	1,21	up
5701281	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,31	up
5769081	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,02	up
5778899	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,10	down
5796157	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,64	down
5873564	7048757	1007019	zinc finger protein 111	Zfp111	170849	1,21	up
5988826	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,19	up
6062676	7048757	1007018	zinc finger protein 111	Zfp111	170849	1,01	up
6298615	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,52	up
6400661	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,06	up
6417937	7048757	1007020	zinc finger protein 111	Zfp111	170849	1,05	down
6468144	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,10	down
6522901	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,12	down
6687173	7048757	1007017	zinc finger protein 111	Zfp111	170849	2,12	down
5661900	7363765	1778581	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,03	up
5767345	7363765	1778582	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	2,07	down
5797559	7363765	1778583	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,23	up
5814182	7363765	1778581	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,16	down
5817047	7363765	1778581	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,24	down
5871598	7363765	1778587	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,01	down
5895658	7363765	1778586	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,19	up
5896648	7363765	1778592	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,02	up
5915167	7363765	1778581	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,30	down
5988955	7363765	1778587	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,14	up
6104525	7363765	1778587	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,02	down
6134543	7363765	1778588	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,07	down
6155956	7363765	1778577	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,29	down
6181318	7363765	1778586	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,24	up
6208618	7363765	1778581	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,00	down
6224174	7363765	1778582	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,13	down

6249560	7363765	1778578	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,10	up
6266643	7363765	1778583	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,02	down
6297610	7363765	1778590	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,17	down
6328556	7363765	1778584	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,23	down
6406293	7363765	1778578	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,01	up
6484228	7363765	1778581	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,01	down
6486292	7363765	1778584	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,03	down
6488417	7363765	1778583	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,29	up
6493915	7363765	1778583	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,08	up
6500826	7363765	1778581	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,10	up
6572721	7363765	1778580	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,30	down
6633895	7363765	1778586	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,08	up
6662336	7363765	1778589	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,31	up
6669307	7363765	1778579	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,15	down
6726395	7363765	1778583	zinc finger protein 142 (clone pHZ-49)	Znf142	316524	1,06	up
5812384	7035403	974429	zinc finger protein 143	Zfp143	361627	2,17	down
5835336	7035403	974422	zinc finger protein 143	Zfp143	361627	1,10	down
5909667	7035403	974430	zinc finger protein 143	Zfp143	361627	1,15	down
5989159	7035403	974433	zinc finger protein 143	Zfp143	361627	1,06	down
6020592	7035403	974427	zinc finger protein 143	Zfp143	361627	1,12	down
6039081	7035403	974431	zinc finger protein 143	Zfp143	361627	1,42	down
6113330	7035403	974424	zinc finger protein 143	Zfp143	361627	1,44	up
6118217	7035403	974423	zinc finger protein 143	Zfp143	361627	1,40	up
6124659	7035403	974425	zinc finger protein 143	Zfp143	361627	1,25	down
6259117	7035403	974421	zinc finger protein 143	Zfp143	361627	1,65	down
6273611	7035403	974435	zinc finger protein 143	Zfp143	361627	1,22	down
6303635	7035403	974426	zinc finger protein 143	Zfp143	361627	1,22	down
6356255	7035403	974421	zinc finger protein 143	Zfp143	361627	1,39	up
6413494	7035403	974432	zinc finger protein 143	Zfp143	361627	1,28	down
6624706	7035403	974434	zinc finger protein 143	Zfp143	361627	1,65	up
6675684	7035403	974436	zinc finger protein 143	Zfp143	361627	1,34	down
6723418	7035403	974428	zinc finger protein 143	Zfp143	361627	1,07	up
5658018	7094048	1112703	zinc finger protein 148	Zfp148	58820	1,13	up
5727699	7094048	1112706	zinc finger protein 148	Zfp148	58820	1,73	down
5735043	7094048	1112710	zinc finger protein 148	Zfp148	58820	1,06	up
5747604	7094048	1112707	zinc finger protein 148	Zfp148	58820	1,04	up
5887659	7094048	1112706	zinc finger protein 148	Zfp148	58820	2,04	down
5906494	7094048	1112712	zinc finger protein 148	Zfp148	58820	1,13	up
6092403	7094048	1112705	zinc finger protein 148	Zfp148	58820	1,31	down
6093280	7094048	1112709	zinc finger protein 148	Zfp148	58820	1,01	down
6232008	7094048	1112703	zinc finger protein 148	Zfp148	58820	1,12	up
6266699	7094048	1112705	zinc finger protein 148	Zfp148	58820	1,04	down
6406437	7094048	1112704	zinc finger protein 148	Zfp148	58820	1,00	down
6476455	7094048	1112711	zinc finger protein 148	Zfp148	58820	1,21	up
6544345	7094048	1112704	zinc finger protein 148	Zfp148	58820	1,22	down
6562153	7094048	1112708	zinc finger protein 148	Zfp148	58820	1,07	down
5625550	7335091	1707334	zinc finger protein 202	Zfp202	500981	1,62	up
5666421	7335091	1707334	zinc finger protein 202	Zfp202	500981	2,28	down
5777556	7335091	1707333	zinc finger protein 202	Zfp202	500981	1,26	down
5970610	7335091	1707331	zinc finger protein 202	Zfp202	500981	1,12	down
6040542	7335091	1707329	zinc finger protein 202	Zfp202	500981	1,31	up
6186397	7335091	1707334	zinc finger protein 202	Zfp202	500981	1,01	up
6211797	7335091	1707334	zinc finger protein 202	Zfp202	500981	1,96	up
6229836	7335091	1707334	zinc finger protein 202	Zfp202	500981	1,77	down
6324736	7335091	1707333	zinc finger protein 202	Zfp202	500981	1,14	up
6341663	7335091	1707333	zinc finger protein 202	Zfp202	500981	1,20	up

6407033	7335091	1707325	zinc finger protein 202	Zfp202	500981	1,99	up
6507937	7335091	1707325	zinc finger protein 202	Zfp202	500981	1,09	up
6606319	7335091	1707328	zinc finger protein 202	Zfp202	500981	1,51	down
6746459	7335091	1707327	zinc finger protein 202	Zfp202	500981	1,03	down
5740153	7074989	1068379	zinc finger protein 263	Zfp263	287076	1,75	down
5746194	7074989	1068378	zinc finger protein 263	Zfp263	287076	1,34	up
6068932	7074989	1068374	zinc finger protein 263	Zfp263	287076	1,32	up
6181886	7074989	1068374	zinc finger protein 263	Zfp263	287076	1,44	up
6253512	7074989	1068374	zinc finger protein 263	Zfp263	287076	1,18	up
6297952	7074989	1068378	zinc finger protein 263	Zfp263	287076	1,19	down
6343479	7074989	1068374	zinc finger protein 263	Zfp263	287076	1,00	up
6424726	7074989	1068375	zinc finger protein 263	Zfp263	287076	1,11	up
6444645	7074989	1068374	zinc finger protein 263	Zfp263	287076	1,15	down
6536656	7074989	1068381	zinc finger protein 263	Zfp263	287076	2,40	up
6561901	7074989	1068374	zinc finger protein 263	Zfp263	287076	1,07	down
6716624	7074989	1068377	zinc finger protein 263	Zfp263	287076	1,12	up
5665091	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,06	up
5692780	7120379	1178335	zinc finger protein 278	Zfp278	305471	1,34	up
5905053	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,08	up
5963639	7120379	1178334	zinc finger protein 278	Zfp278	305471	1,00	down
6028987	7120379	1178335	zinc finger protein 278	Zfp278	305471	1,32	up
6083686	7120379	1178331	zinc finger protein 278	Zfp278	305471	1,05	up
6213130	7120379	1178334	zinc finger protein 278	Zfp278	305471	1,08	down
6236520	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,11	up
6271079	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,13	down
6329856	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,43	down
6375758	7120379	1178334	zinc finger protein 278	Zfp278	305471	1,43	up
6622384	7120379	1178331	zinc finger protein 278	Zfp278	305471	1,13	up
6679683	7120379	1178335	zinc finger protein 278	Zfp278	305471	1,10	down
5808359	7359551	1768643	zinc finger protein 318	Zfp318	685082	1,15	up
6071799	7359551	1768622	zinc finger protein 318	Zfp318	685082	1,35	down
6318998	7359551	1768644	zinc finger protein 318	Zfp318	685082	1,07	up
6511726	7359551	1768622	zinc finger protein 318	Zfp318	685082	1,38	down
5767905	7247848	1492054	zinc finger protein 335	Zfp335	259270	1,13	down
5851093	7247848	1492049	zinc finger protein 335	Zfp335	259270	1,30	down
5867650	7247848	1492058	zinc finger protein 335	Zfp335	259270	1,03	down
5980315	7247848	1492049	zinc finger protein 335	Zfp335	259270	1,04	up
5984059	7247848	1492053	zinc finger protein 335	Zfp335	259270	1,11	down
5988610	7247848	1492056	zinc finger protein 335	Zfp335	259270	1,08	down
6013859	7247848	1492052	zinc finger protein 335	Zfp335	259270	1,03	up
6027544	7247848	1492051	zinc finger protein 335	Zfp335	259270	1,40	down
6035090	7247848	1492055	zinc finger protein 335	Zfp335	259270	1,17	up
6226857	7247848	1492045	zinc finger protein 335	Zfp335	259270	2,15	down
6250517	7247848	1492050	zinc finger protein 335	Zfp335	259270	1,08	up
6252548	7247848	1492057	zinc finger protein 335	Zfp335	259270	1,06	up
6316082	7247848	1492060	zinc finger protein 335	Zfp335	259270	1,15	down
6318114	7247848	1492047	zinc finger protein 335	Zfp335	259270	1,18	down
6336863	7247848	1492048	zinc finger protein 335	Zfp335	259270	1,36	up
6373986	7247848	1492046	zinc finger protein 335	Zfp335	259270	1,06	down
6455602	7247848	1492072	zinc finger protein 335	Zfp335	259270	1,05	up
6501024	7247848	1492052	zinc finger protein 335	Zfp335	259270	1,33	down
6568686	7247848	1492059	zinc finger protein 335	Zfp335	259270	1,23	up
6596551	7247848	1492060	zinc finger protein 335	Zfp335	259270	1,07	up
6605188	7247848	1492062	zinc finger protein 335	Zfp335	259270	1,05	down
5809696	7049312	1008131	zinc finger protein 36	Zfp36	79426	1,21	up
6380219	7049312	1008132	zinc finger protein 36	Zfp36	79426	3,33	down

6414960	7049312	1008131	zinc finger protein 36	Zfp36	79426	1,06	up
6665859	7049312	1008131	zinc finger protein 36	Zfp36	79426	1,11	up
5635926	7191654	1354338	zinc finger protein 458	Zfp458	499563	1,06	down
5727099	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,09	down
5747947	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,06	up
5780960	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,03	up
5831340	7191654	1354338	zinc finger protein 458	Zfp458	499563	1,04	down
6100052	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,04	up
6179027	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,02	up
6293567	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,01	down
6334450	7191654	1354340	zinc finger protein 458	Zfp458	499563	2,71	up
6372112	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,15	down
6403946	7191654	1354341	zinc finger protein 458	Zfp458	499563	1,41	down
6502140	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,09	down
6510556	7191654	1354339	zinc finger protein 458	Zfp458	499563	1,15	down
6535991	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,02	up
6567107	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,03	up
6598093	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,66	up
6637274	7191654	1354342	zinc finger protein 458	Zfp458	499563	1,02	down
6676976	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,12	up
6683802	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,04	up
6692234	7191654	1354340	zinc finger protein 458	Zfp458	499563	1,02	up
5675826	7129688	1200560	zinc finger protein 503	Znf503	305687	1,15	down
5810811	7129688	1200558	zinc finger protein 503	Znf503	305687	1,16	down
6370586	7129688	1200560	zinc finger protein 503	Znf503	305687	1,12	up
6419274	7129688	1200558	zinc finger protein 503	Znf503	305687	1,51	down
6442614	7129688	1200559	zinc finger protein 503	Znf503	305687	1,37	up
6470937	7129688	1200560	zinc finger protein 503	Znf503	305687	1,07	down
6486552	7129688	1200560	zinc finger protein 503	Znf503	305687	1,17	down
6596860	7129688	1200560	zinc finger protein 503	Znf503	305687	1,00	down
6610400	7129688	1200559	zinc finger protein 503	Znf503	305687	1,12	down
6692367	7129688	1200558	zinc finger protein 503	Znf503	305687	1,09	up
5660500	7029052	958808	zinc finger protein 541	Znf541	308108	1,05	up
5744099	7029052	958794	zinc finger protein 541	Znf541	308108	1,06	down
5775811	7029052	958806	zinc finger protein 541	Znf541	308108	1,06	down
5878852	7029052	958803	zinc finger protein 541	Znf541	308108	1,13	up
5900335	7029052	958796	zinc finger protein 541	Znf541	308108	1,14	up
5934926	7029052	958794	zinc finger protein 541	Znf541	308108	1,21	down
6243177	7029052	958802	zinc finger protein 541	Znf541	308108	2,76	down
6321095	7029052	958801	zinc finger protein 541	Znf541	308108	1,24	up
6430716	7029052	958805	zinc finger protein 541	Znf541	308108	1,48	down
6475896	7029052	958794	zinc finger protein 541	Znf541	308108	1,06	up
6481809	7029052	958804	zinc finger protein 541	Znf541	308108	1,02	up
6575389	7029052	958800	zinc finger protein 541	Znf541	308108	1,10	down
6588906	7029052	958797	zinc finger protein 541	Znf541	308108	1,17	down
6679472	7029052	958807	zinc finger protein 541	Znf541	308108	1,11	down
6683194	7029052	958794	zinc finger protein 541	Znf541	308108	1,80	down
5718555	7343092	1727655	zinc finger protein 653	Zfp653	300446	3,08	down
5734541	7343092	1727653	zinc finger protein 653	Zfp653	300446	1,32	down
5770014	7343092	1727652	zinc finger protein 653	Zfp653	300446	1,22	up
5777659	7343092	1727653	zinc finger protein 653	Zfp653	300446	1,15	up
5924658	7343092	1727656	zinc finger protein 653	Zfp653	300446	1,45	up
5968745	7343092	1727647	zinc finger protein 653	Zfp653	300446	1,48	down
6112451	7343092	1727649	zinc finger protein 653	Zfp653	300446	1,04	up
6148312	7343092	1727651	zinc finger protein 653	Zfp653	300446	2,07	down
6205093	7343092	1727654	zinc finger protein 653	Zfp653	300446	1,27	up

6220916	7343092	1727648	zinc finger protein 653	Zfp653	300446	1,06	up
6379205	7343092	1727653	zinc finger protein 653	Zfp653	300446	1,16	up
6458197	7343092	1727653	zinc finger protein 653	Zfp653	300446	1,31	down
6465171	7343092	1727650	zinc finger protein 653	Zfp653	300446	1,21	up
6681796	7343092	1727648	zinc finger protein 653	Zfp653	300446	1,55	down
6042054	7180721	1326695	zinc finger protein 90	Zfp90	498945	1,48	up
6087238	7180721	1326698	zinc finger protein 90	Zfp90	498945	2,16	down
6193465	7180721	1326697	zinc finger protein 90	Zfp90	498945	1,09	down
6418058	7180721	1326696	zinc finger protein 90	Zfp90	498945	1,01	down
6529421	7180721	1326698	zinc finger protein 90	Zfp90	498945	1,01	down
6636023	7180721	1326695	zinc finger protein 90	Zfp90	498945	1,14	down
5751567	7316452	1663531	zinc finger protein, multitype 2	Zfpm2	314930	1,35	down
6095491	7316452	1663605	zinc finger protein, multitype 2	Zfpm2	314930	1,28	up
6132487	7316452	1663549	zinc finger protein, multitype 2	Zfpm2	314930	1,01	up
6142123	7316452	1663607	zinc finger protein, multitype 2	Zfpm2	314930	1,05	up
6276224	7316452	1663607	zinc finger protein, multitype 2	Zfpm2	314930	1,00	up
6330512	7316452	1663556	zinc finger protein, multitype 2	Zfpm2	314930	1,19	up
6420752	7316452	1663606	zinc finger protein, multitype 2	Zfpm2	314930	1,06	up
6487235	7316452	1663531	zinc finger protein, multitype 2	Zfpm2	314930	1,25	up
6565166	7316452	1663564	zinc finger protein, multitype 2	Zfpm2	314930	1,45	up
6570025	7316452	1663580	zinc finger protein, multitype 2	Zfpm2	314930	2,02	down
6704713	7316452	1663607	zinc finger protein, multitype 2	Zfpm2	314930	1,57	down
6745660	7316452	1663607	zinc finger protein, multitype 2	Zfpm2	314930	1,73	down
5673588	7097084	1119951	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,35	up
5714930	7097084	1119955	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,32	down
5786114	7097084	1119954	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,15	up
5986965	7097084	1119949	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,26	up
6074496	7097084	1119952	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,19	down
6266734	7097084	1119957	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,02	down
6514080	7097084	1119956	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,02	up
6567530	7097084	1119951	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,11	down
6659632	7097084	1119950	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,10	down
5661037	7053926	1018513	zinc finger, AN1-type domain 6	Zfand6	293067	1,70	up
5892637	7053926	1018511	zinc finger, AN1-type domain 6	Zfand6	293067	1,02	up
6035004	7053926	1018515	zinc finger, AN1-type domain 6	Zfand6	293067	1,06	down
6275151	7053926	1018510	zinc finger, AN1-type domain 6	Zfand6	293067	1,28	up
6562984	7053926	1018509	zinc finger, AN1-type domain 6	Zfand6	293067	1,27	down
6565077	7053926	1018514	zinc finger, AN1-type domain 6	Zfand6	293067	1,23	up
6585325	7053926	1018514	zinc finger, AN1-type domain 6	Zfand6	293067	1,25	up
6585706	7053926	1018512	zinc finger, AN1-type domain 6	Zfand6	293067	2,14	down
5673139	7098189	1123163	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,57	up
5705409	7098189	1123162	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,02	up
5805268	7098189	1123168	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,08	up
5882190	7098189	1123151	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,07	down
5896463	7098189	1123168	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,23	down
5918662	7098189	1123167	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,13	up
5946149	7098189	1123154	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,21	down
5995121	7098189	1123157	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,11	up
6044421	7098189	1123159	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,22	down
6051205	7098189	1123168	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,49	down
6155549	7098189	1123165	zinc finger, CCHC domain containing 8	Zcchc8	288661	2,58	down
6190602	7098189	1123164	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,34	up
6259572	7098189	1123166	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,05	down
6280300	7098189	1123158	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,11	down
6297373	7098189	1123160	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,39	down
6318321	7098189	1123151	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,33	up

6549618	7098189	1123151	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,20	up
6614976	7098189	1123161	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,14	down
6650489	7098189	1123151	zinc finger, CCHC domain containing 8	Zcchc8	288661	1,36	up
5734550	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,24	down
6029294	7355244	1758146	zinc finger, DBF-type containing 2	Zdbf2	501153	1,12	down
6381636	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,14	down
6460805	7355244	1758146	zinc finger, DBF-type containing 2	Zdbf2	501153	1,01	up
6551980	7355244	1758142	zinc finger, DBF-type containing 2	Zdbf2	501153	1,17	up
6597292	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,24	down
6610285	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,12	up
6625326	7355244	1758145	zinc finger, DBF-type containing 2	Zdbf2	501153	1,15	up
6703339	7355244	1758144	zinc finger, DBF-type containing 2	Zdbf2	501153	1,22	down
6704586	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,00	up
5756028	7288063	1591912	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,30	down
5766787	7288063	1591905	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,09	up
5808835	7288063	1591904	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,25	up
5811229	7288063	1591905	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,12	down
6003689	7288063	1591919	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,06	up
6036023	7288063	1591906	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,45	down
6078378	7288063	1591915	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,04	up
6147354	7288063	1591903	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,47	down
6226132	7288063	1591904	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,15	down
6278503	7288063	1591918	zinc finger, DHHC-type containing 21	Zdhhc21	298184	2,17	up
6348783	7288063	1591919	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,20	up
6404607	7288063	1591922	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,46	down
6463112	7288063	1591904	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,39	up
6478034	7288063	1591905	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,03	up
6602826	7288063	1591904	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,53	down
6633114	7288063	1591920	zinc finger, DHHC-type containing 21	Zdhhc21	298184	1,09	down
5718283	7088167	1098497	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,47	down
5804349	7088167	1098497	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,00	up
5848295	7088167	1098498	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,48	up
5935934	7088167	1098498	zinc finger, DHHC-type containing 23	Zdhhc23	363783	2,30	up
6193307	7088167	1098501	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,16	down
6205088	7088167	1098500	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,10	down
6641384	7088167	1098499	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,30	up
6688036	7088167	1098497	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,34	down
5666780	7120235	1177966	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,05	up
5692653	7120235	1177950	zinc finger, FYVE domain containing 28	Zfyve28	305454	2,27	down
5708471	7120235	1177947	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,54	up
5717843	7120235	1177968	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,01	up
5751989	7120235	1177955	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,17	up
5818796	7120235	1177968	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,48	up
5860732	7120235	1177969	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,48	down
5954380	7120235	1177964	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,01	up
6003160	7120235	1177954	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,13	up
6012897	7120235	1177962	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,27	down
6034986	7120235	1177965	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,40	up
6103247	7120235	1177949	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,04	up
6183058	7120235	1177948	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,04	down
6242332	7120235	1177946	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,31	up
6588873	7120235	1177939	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,24	down
6691380	7120235	1177963	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,02	down
5728446	7289856	1596348	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,01	down
5802008	7289856	1596360	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,38	up
5900842	7289856	1596352	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,13	up

5972007	7289856	1596358	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,62	up
5976781	7289856	1596338	zinc finger, FYVE domain containing 9	Zfyve9	313477	2,80	down
6001364	7289856	1596336	zinc finger, FYVE domain containing 9	Zfyve9	313477	2,03	down
6003962	7289856	1596353	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,53	up
6016022	7289856	1596346	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,09	down
6208565	7289856	1596331	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,12	up
6216292	7289856	1596350	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,25	up
6242046	7289856	1596355	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,17	up
6344099	7289856	1596357	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,02	down
6366634	7289856	1596359	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,11	up
6391780	7289856	1596360	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,11	down
6411680	7289856	1596341	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,01	up
6426004	7289856	1596349	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,04	up
6434893	7289856	1596350	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,07	up
6444414	7289856	1596330	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,08	down
6474445	7289856	1596351	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,21	up
6605163	7289856	1596340	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,03	down
6620758	7289856	1596335	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,14	down
6648714	7289856	1596331	zinc finger, FYVE domain containing 9	Zfyve9	313477	1,23	down
5688200	7152889	1257370	zinc finger, matrin type 4	Zmat4	684961	1,05	up
5980893	7152889	1257333	zinc finger, matrin type 4	Zmat4	684961	1,03	up
6175850	7152889	1257352	zinc finger, matrin type 4	Zmat4	684961	1,26	up
6255111	7152889	1257331	zinc finger, matrin type 4	Zmat4	684961	1,31	down
6372826	7152889	1257352	zinc finger, matrin type 4	Zmat4	684961	1,36	up
6383144	7152889	1257377	zinc finger, matrin type 4	Zmat4	684961	1,20	down
6686382	7152889	1257360	zinc finger, matrin type 4	Zmat4	684961	1,10	up
5647617	7142770	1232734	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,00	down
5802426	7142770	1232695	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,30	up
5822957	7142770	1232726	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,19	up
5825074	7142770	1232661	zinc finger, MIZ-type containing 1	Zmiz1	361103	2,24	down
5907504	7142770	1232737	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,14	down
5925097	7142770	1232715	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,06	up
5925966	7142770	1232735	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,05	down
5958767	7142770	1232724	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,01	down
5969125	7142770	1232691	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,70	up
6036884	7142770	1232727	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,20	down
6088320	7142770	1232735	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,08	up
6099949	7142770	1232683	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,40	up
6128570	7142770	1232736	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,21	down
6189208	7142770	1232719	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,04	up
6212059	7142770	1232731	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,24	down
6218372	7142770	1232714	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,04	down
6267271	7142770	1232717	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,04	down
6304051	7142770	1232671	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,33	up
6363700	7142770	1232717	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,24	down
6504618	7142770	1232732	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,08	up
6541333	7142770	1232728	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,12	down
6594035	7142770	1232719	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,07	down
6594331	7142770	1232690	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,33	up
6598231	7142770	1232730	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,00	up
6633339	7142770	1232725	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,23	up
6645192	7142770	1232661	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,09	down
6657184	7142770	1232736	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,01	up
6690568	7142770	1232722	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,13	down
6698451	7142770	1232729	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,01	down
6699239	7142770	1232711	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,32	up

6727439	7142770	1232721	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,04	down
6739778	7142770	1232724	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,06	up
5819471	7291129	1599594	zinc finger, MYM-type 1	Zmym1	313604	1,08	up
5904273	7291129	1599601	zinc finger, MYM-type 1	Zmym1	313604	1,09	up
6016577	7291129	1599596	zinc finger, MYM-type 1	Zmym1	313604	1,03	down
6064578	7291129	1599598	zinc finger, MYM-type 1	Zmym1	313604	1,02	up
6137709	7291129	1599600	zinc finger, MYM-type 1	Zmym1	313604	1,10	up
6205270	7291129	1599595	zinc finger, MYM-type 1	Zmym1	313604	1,12	down
6329832	7291129	1599593	zinc finger, MYM-type 1	Zmym1	313604	1,23	down
6652778	7291129	1599602	zinc finger, MYM-type 1	Zmym1	313604	1,53	down
6686543	7291129	1599593	zinc finger, MYM-type 1	Zmym1	313604	1,19	up
5668140	7382452	1826155	zinc finger, MYM-type 3	Zmym3	317260	1,20	up
5684274	7382452	1826164	zinc finger, MYM-type 3	Zmym3	317260	1,48	up
5722246	7382452	1826163	zinc finger, MYM-type 3	Zmym3	317260	1,20	up
5747321	7382452	1826156	zinc finger, MYM-type 3	Zmym3	317260	1,05	down
5782087	7382452	1826153	zinc finger, MYM-type 3	Zmym3	317260	1,11	up
5794177	7382452	1826167	zinc finger, MYM-type 3	Zmym3	317260	1,18	up
5818123	7382452	1826157	zinc finger, MYM-type 3	Zmym3	317260	1,21	up
5908571	7382452	1826167	zinc finger, MYM-type 3	Zmym3	317260	1,18	down
5979614	7382452	1826154	zinc finger, MYM-type 3	Zmym3	317260	1,22	up
6030634	7382452	1826158	zinc finger, MYM-type 3	Zmym3	317260	1,37	down
6048506	7382452	1826164	zinc finger, MYM-type 3	Zmym3	317260	1,46	up
6053244	7382452	1826162	zinc finger, MYM-type 3	Zmym3	317260	1,15	down
6099782	7382452	1826152	zinc finger, MYM-type 3	Zmym3	317260	1,24	down
6115992	7382452	1826168	zinc finger, MYM-type 3	Zmym3	317260	1,03	up
6166007	7382452	1826146	zinc finger, MYM-type 3	Zmym3	317260	1,02	down
6209627	7382452	1826167	zinc finger, MYM-type 3	Zmym3	317260	1,23	up
6243482	7382452	1826159	zinc finger, MYM-type 3	Zmym3	317260	1,25	up
6261978	7382452	1826151	zinc finger, MYM-type 3	Zmym3	317260	1,03	down
6375118	7382452	1826160	zinc finger, MYM-type 3	Zmym3	317260	1,07	up
6399520	7382452	1826146	zinc finger, MYM-type 3	Zmym3	317260	1,29	down
6404846	7382452	1826150	zinc finger, MYM-type 3	Zmym3	317260	1,02	up
6409677	7382452	1826165	zinc finger, MYM-type 3	Zmym3	317260	1,06	down
6466573	7382452	1826164	zinc finger, MYM-type 3	Zmym3	317260	1,02	down
6477852	7382452	1826149	zinc finger, MYM-type 3	Zmym3	317260	1,26	up
6518223	7382452	1826164	zinc finger, MYM-type 3	Zmym3	317260	1,03	down
6605082	7382452	1826167	zinc finger, MYM-type 3	Zmym3	317260	1,17	down
6615930	7382452	1826161	zinc finger, MYM-type 3	Zmym3	317260	1,16	up
6685571	7382452	1826147	zinc finger, MYM-type 3	Zmym3	317260	1,14	down
6736362	7382452	1826148	zinc finger, MYM-type 3	Zmym3	317260	1,01	down
5683637	7069239	1054082	zinc finger, MYND domain containing 15	Zmynd15	287457	1,40	down
5764055	7069239	1054078	zinc finger, MYND domain containing 15	Zmynd15	287457	2,55	up
5765434	7069239	1054081	zinc finger, MYND domain containing 15	Zmynd15	287457	2,00	down
5849275	7069239	1054079	zinc finger, MYND domain containing 15	Zmynd15	287457	1,32	up
5919675	7069239	1054081	zinc finger, MYND domain containing 15	Zmynd15	287457	1,95	down
5974108	7069239	1054084	zinc finger, MYND domain containing 15	Zmynd15	287457	1,21	up
5997259	7069239	1054082	zinc finger, MYND domain containing 15	Zmynd15	287457	1,20	down
6051961	7069239	1054091	zinc finger, MYND domain containing 15	Zmynd15	287457	1,25	up
6074128	7069239	1054092	zinc finger, MYND domain containing 15	Zmynd15	287457	2,27	down
6084531	7069239	1054089	zinc finger, MYND domain containing 15	Zmynd15	287457	1,16	down
6180567	7069239	1054091	zinc finger, MYND domain containing 15	Zmynd15	287457	1,46	up
6183974	7069239	1054086	zinc finger, MYND domain containing 15	Zmynd15	287457	1,65	down
6237923	7069239	1054087	zinc finger, MYND domain containing 15	Zmynd15	287457	1,48	up
6323086	7069239	1054083	zinc finger, MYND domain containing 15	Zmynd15	287457	1,68	up
6413966	7069239	1054088	zinc finger, MYND domain containing 15	Zmynd15	287457	2,20	up
6520786	7069239	1054080	zinc finger, MYND domain containing 15	Zmynd15	287457	1,02	down

6524753	7069239	1054082	zinc finger, MYND domain containing 15	Zmynd15	287457	1,01	down
6703629	7069239	1054085	zinc finger, MYND domain containing 15	Zmynd15	287457	2,37	up
6724150	7069239	1054090	zinc finger, MYND domain containing 15	Zmynd15	287457	1,43	up
5621785	7179859	1324615	zinc finger, SWIM-type containing 4	Zswim4	304655	1,00	up
5733962	7179859	1324618	zinc finger, SWIM-type containing 4	Zswim4	304655	1,45	up
5772520	7179859	1324610	zinc finger, SWIM-type containing 4	Zswim4	304655	1,08	down
5879844	7179859	1324607	zinc finger, SWIM-type containing 4	Zswim4	304655	1,60	up
5976754	7179859	1324618	zinc finger, SWIM-type containing 4	Zswim4	304655	1,48	up
5996820	7179859	1324611	zinc finger, SWIM-type containing 4	Zswim4	304655	1,03	down
6079091	7179859	1324614	zinc finger, SWIM-type containing 4	Zswim4	304655	1,22	up
6095844	7179859	1324613	zinc finger, SWIM-type containing 4	Zswim4	304655	1,54	down
6148513	7179859	1324609	zinc finger, SWIM-type containing 4	Zswim4	304655	1,76	up
6229663	7179859	1324611	zinc finger, SWIM-type containing 4	Zswim4	304655	1,79	down
6434800	7179859	1324616	zinc finger, SWIM-type containing 4	Zswim4	304655	1,23	up
6447557	7179859	1324611	zinc finger, SWIM-type containing 4	Zswim4	304655	1,59	down
6466339	7179859	1324605	zinc finger, SWIM-type containing 4	Zswim4	304655	1,09	down
6531981	7179859	1324618	zinc finger, SWIM-type containing 4	Zswim4	304655	1,08	up
6593485	7179859	1324608	zinc finger, SWIM-type containing 4	Zswim4	304655	3,07	down
6635207	7179859	1324604	zinc finger, SWIM-type containing 4	Zswim4	304655	4,14	down
6645767	7179859	1324612	zinc finger, SWIM-type containing 4	Zswim4	304655	1,17	up
6663316	7179859	1324617	zinc finger, SWIM-type containing 4	Zswim4	304655	1,54	up
5620347	7069464	1054638	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	up
5666231	7069464	1054673	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,03	up
5671815	7069464	1054618	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,09	up
5677041	7069464	1054614	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,10	down
5686466	7069464	1054618	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	up
5690569	7069464	1054633	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,07	down
5746488	7069464	1054645	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,39	down
5894730	7069464	1054656	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,23	up
5904884	7069464	1054619	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,22	up
5906904	7069464	1054675	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,11	up
5926574	7069464	1054657	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,42	up
5932010	7069464	1054646	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,03	down
5932060	7069464	1054662	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,15	down
5935180	7069464	1054664	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	down
5936139	7069464	1054659	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,08	up
5936146	7069464	1054631	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,00	down
5944481	7069464	1054614	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,08	up
5956117	7069464	1054610	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,02	up
5971028	7069464	1054634	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,07	down
5994784	7069464	1054621	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,19	down
6004135	7069464	1054663	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,09	up
6024891	7069464	1054667	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,42	down
6053764	7069464	1054668	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,07	up
6059786	7069464	1054637	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,56	down
6061823	7069464	1054632	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	down
6093256	7069464	1054641	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,32	up
6109711	7069464	1054620	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,00	up
6116128	7069464	1054630	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,08	up
6123030	7069464	1054676	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	up
6150817	7069464	1054639	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	down
6191972	7069464	1054625	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,09	up
6249516	7069464	1054623	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,00	up
6267742	7069464	1054619	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,09	down
6269960	7069464	1054650	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,07	up
6272315	7069464	1054659	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,35	down

6289383	7069464	1054626	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,22	up
6294135	7069464	1054652	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,07	up
6327564	7069464	1054656	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,09	down
6338946	7069464	1054660	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,25	down
6339849	7069464	1054669	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,16	down
6340446	7069464	1054636	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	up
6347790	7069464	1054665	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,22	up
6358623	7069464	1054635	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,06	up
6400041	7069464	1054647	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,22	down
6416556	7069464	1054661	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,24	down
6435079	7069464	1054653	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,13	down
6441397	7069464	1054633	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	up
6478027	7069464	1054637	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,33	down
6515866	7069464	1054654	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,07	up
6529505	7069464	1054674	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	down
6540288	7069464	1054624	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	up
6541845	7069464	1054616	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,08	up
6545449	7069464	1054642	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,08	up
6559989	7069464	1054617	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,28	up
6567789	7069464	1054615	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,23	up
6576852	7069464	1054651	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,03	down
6607304	7069464	1054644	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,41	up
6608587	7069464	1054658	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	down
6633644	7069464	1054655	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,45	down
6706667	7069464	1054628	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	down
6715548	7069464	1054648	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,00	up
6721349	7069464	1054632	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,41	up
6732792	7069464	1054610	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,31	up
6741715	7069464	1054629	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,04	down
6741920	7069464	1054643	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,13	down
6073033	7216356	1413828	zinc ribbon domain containing, 1	Znrd1	361784	2,24	down
6144663	7216356	1413831	zinc ribbon domain containing, 1	Znrd1	361784	1,52	down
6334841	7216356	1413829	zinc ribbon domain containing, 1	Znrd1	361784	1,18	up
6416025	7216356	1413830	zinc ribbon domain containing, 1	Znrd1	361784	1,13	up
6465603	7216356	1413828	zinc ribbon domain containing, 1	Znrd1	361784	1,09	up
5647122	7071880	1060718	zona pellucida binding protein 2	Zpbp2	363676	1,25	down
5909679	7071880	1060721	zona pellucida binding protein 2	Zpbp2	363676	1,23	up
6054235	7071880	1060721	zona pellucida binding protein 2	Zpbp2	363676	1,12	down
6090140	7071880	1060716	zona pellucida binding protein 2	Zpbp2	363676	2,23	down
6199691	7071880	1060723	zona pellucida binding protein 2	Zpbp2	363676	1,26	up
6314079	7071880	1060722	zona pellucida binding protein 2	Zpbp2	363676	1,51	down
6384313	7071880	1060717	zona pellucida binding protein 2	Zpbp2	363676	1,31	up
6391343	7071880	1060720	zona pellucida binding protein 2	Zpbp2	363676	1,36	up
6578113	7071880	1060715	zona pellucida binding protein 2	Zpbp2	363676	1,53	down
6656984	7071880	1060719	zona pellucida binding protein 2	Zpbp2	363676	1,02	down
5864508	7125074	1189425	zygote arrest 1	Zar1	353228	1,39	up
5972304	7125074	1189428	zygote arrest 1	Zar1	353228	1,39	down
6168258	7125074	1189428	zygote arrest 1	Zar1	353228	1,03	down
6201799	7125074	1189427	zygote arrest 1	Zar1	353228	3,48	up
6239617	7125074	1189426	zygote arrest 1	Zar1	353228	1,32	down
6329487	7125074	1189428	zygote arrest 1	Zar1	353228	1,24	up
6350699	7125074	1189428	zygote arrest 1	Zar1	353228	1,16	up
6482324	7125074	1189424	zygote arrest 1	Zar1	353228	1,26	down
5617710	7249503	1496166	---	---	---	1,01	up
5617745	7087492	1096703	---	---	---	1,08	down
5617762	7231650	1451836	---	---	---	1,00	up

5617904	7156372	1266708	---	---	---	1,74	up
5617996	7345882	1734810	---	---	---	1,01	up
5618045	7303616	1631356	---	---	---	1,01	down
5618065	7277783	1567458	---	---	---	1,78	down
5618221	7069830	1055605	---	---	---	1,30	down
5618347	7199476	1374551	---	---	---	1,12	down
5618404	7312903	1654098	---	---	---	1,37	down
5618445	7161841	1279873	---	---	---	1,38	down
5618561	7033504	969851	---	---	---	2,28	down
5618568	7155286	1263908	---	---	---	1,41	down
5618616	7194172	1361183	---	---	---	1,71	up
5618647	7248790	1494514	---	---	---	1,22	up
5618826	7032204	966153	---	---	---	1,12	up
5619121	7276231	1563086	---	---	---	1,82	up
5619216	7330396	1696351	---	---	---	1,13	up
5619249	7050167	1009800	---	---	---	1,05	down
5619260	7245695	1487063	---	---	---	1,24	down
5619357	7338807	1716783	---	---	---	1,12	up
5619427	7145669	1240012	---	---	---	1,08	up
5619464	7069253	1054169	---	---	---	1,26	up
5619566	7067614	1050196	---	---	---	1,38	up
5619577	7198210	1370983	---	---	---	1,06	down
5619760	7332970	1702533	---	---	---	1,56	up
5619897	7341253	1723271	---	---	---	1,36	down
5620076	7031774	964650	---	---	---	1,36	down
5620087	7162144	1280508	---	---	---	1,32	up
5620157	7216309	1413743	---	---	---	1,09	down
5620192	7189689	1349029	---	---	---	1,24	down
5620234	7264085	1532719	---	---	---	1,34	up
5620292	7281507	1576711	---	---	---	1,19	up
5620344	7119556	1176078	---	---	---	1,10	up
5620365	7036870	977869	---	---	---	1,32	up
5620367	7181193	1328288	---	---	---	1,10	up
5620398	7323545	1679988	---	---	---	1,09	down
5620407	7197820	1370100	---	---	---	1,50	down
5620500	7336931	1711859	---	---	---	1,07	down
5620552	7355220	1758098	---	---	---	1,16	up
5620664	7305674	1636846	---	---	---	1,05	up
5620711	7341397	1723651	---	---	---	1,01	down
5620934	7320337	1673337	---	---	---	1,03	up
5620938	7082098	1084111	---	---	---	1,25	down
5621021	7331829	1700188	---	---	---	1,04	down
5621054	7344702	1732139	---	---	---	1,24	up
5621086	7088164	1098479	---	---	---	1,15	down
5621234	7248790	1494521	---	---	---	1,02	up
5621254	7373038	1804287	---	---	---	1,36	up
5621449	7274892	1559542	---	---	---	2,33	down
5621523	7088164	1098487	---	---	---	1,06	down
5621658	7342959	1727344	---	---	---	1,85	down
5621695	7146093	1240914	---	---	---	1,06	up
5621701	7279533	1571916	---	---	---	1,01	up
5621702	7274780	1559198	---	---	---	1,78	up
5621850	7156114	1266054	---	---	---	1,00	up
5621871	7331719	1699914	---	---	---	1,52	down
5621902	7183927	1335497	---	---	---	1,20	down
5622073	7193056	1358258	---	---	---	1,10	up

5622167	7206133	1389965	---	---	---	1,09	down
5622283	7290921	1599078	---	---	---	1,12	up
5622358	7385253	1832225	---	---	---	1,16	down
5622372	7331297	1698816	---	---	---	1,34	down
5622387	7070836	1058357	---	---	---	1,28	down
5622401	7159642	1274217	---	---	---	1,05	down
5622412	7344702	1732141	---	---	---	1,26	up
5622617	7284359	1583434	---	---	---	1,55	up
5622661	7240569	1475456	---	---	---	1,00	up
5622686	7344702	1732146	---	---	---	1,26	down
5622833	7038316	981460	---	---	---	1,22	up
5622940	7244290	1484168	---	---	---	1,30	up
5622992	7146093	1240942	---	---	---	1,23	up
5622995	7290921	1599078	---	---	---	1,03	down
5623063	7239752	1473157	---	---	---	1,17	down
5623080	7050780	1011381	---	---	---	2,27	up
5623091	7292517	1602534	---	---	---	1,29	up
5623217	7321029	1674832	---	---	---	1,65	up
5623366	7230611	1448822	---	---	---	1,02	down
5623433	7050930	1011630	---	---	---	1,23	up
5623454	7080106	1079715	---	---	---	1,27	up
5623583	7127257	1194813	---	---	---	1,87	down
5623626	7323545	1679977	---	---	---	1,11	down
5623706	7339379	1718319	---	---	---	1,00	up
5623745	7234434	1459439	---	---	---	1,45	down
5623904	7030224	961115	---	---	---	1,14	up
5623919	7119930	1177213	---	---	---	1,16	down
5624034	7071714	1060365	---	---	---	1,00	up
5624037	7356115	1760119	---	---	---	1,25	up
5624114	7359453	1768450	---	---	---	1,10	down
5624328	7371253	1799562	---	---	---	1,04	up
5624364	7064134	1041461	---	---	---	1,13	down
5624524	7190844	1352151	---	---	---	1,22	up
5624570	7143455	1234717	---	---	---	1,01	up
5624737	7248964	1494941	---	---	---	1,14	up
5624758	7239752	1473194	---	---	---	1,38	up
5624827	7334347	1705749	---	---	---	1,11	down
5624866	7217679	1417300	---	---	---	1,74	down
5624892	7061550	1035288	---	---	---	1,31	down
5624893	7217679	1417303	---	---	---	1,20	down
5624921	7156052	1265744	---	---	---	1,16	up
5625111	7033451	969772	---	---	---	1,23	up
5625112	7243130	1480851	---	---	---	1,16	up
5625133	7249503	1496217	---	---	---	1,03	down
5625285	7139708	1225066	---	---	---	1,33	up
5625301	7100976	1129872	---	---	---	1,16	down
5625398	7097680	1121728	---	---	---	1,46	up
5625416	7339379	1718363	---	---	---	1,27	down
5625644	7078666	1076548	---	---	---	1,40	down
5625671	7276762	1564513	---	---	---	1,01	up
5625690	7330396	1696347	---	---	---	1,18	up
5625776	7233440	1456833	---	---	---	1,88	down
5625804	7271213	1550633	---	---	---	2,25	up
5625948	7049399	1008333	---	---	---	1,04	up
5625957	7030518	961681	---	---	---	2,18	up
5626074	7257976	1517712	---	---	---	1,01	down

5626080	7056333	1023678	---	---	---	1,47	down
5626153	7027728	956032	---	---	---	1,07	down
5626268	7384365	1830281	---	---	---	1,59	up
5626314	7333333	1703386	---	---	---	1,10	down
5626450	7229886	1447158	---	---	---	1,03	up
5626638	7091954	1107708	---	---	---	1,05	down
5626676	7253408	1505957	---	---	---	1,14	down
5626703	7312575	1653359	---	---	---	1,51	down
5626836	7112570	1158682	---	---	---	1,30	up
5627020	7098366	1123627	---	---	---	1,12	up
5627053	7199476	1374570	---	---	---	1,55	down
5627186	7034532	972657	---	---	---	1,01	up
5627207	7067828	1050784	---	---	---	1,02	up
5627226	7063839	1040578	---	---	---	3,07	down
5627272	7196029	1365612	---	---	---	3,14	down
5627278	7224035	1432383	---	---	---	1,15	up
5627285	7368613	1791619	---	---	---	2,41	up
5627387	7112225	1157602	---	---	---	1,08	down
5627501	7235069	1460973	---	---	---	2,31	down
5627623	7297589	1615687	---	---	---	1,07	up
5627674	7070616	1057787	---	---	---	1,09	up
5627810	7269641	1546252	---	---	---	1,14	up
5627842	7119930	1177216	---	---	---	1,03	down
5628025	7112566	1158641	---	---	---	1,04	up
5628194	7267802	1541800	---	---	---	1,19	down
5628229	7050167	1009800	---	---	---	1,41	up
5628343	7052385	1014770	---	---	---	1,04	up
5628536	7240569	1475362	---	---	---	1,02	down
5628575	7098867	1124952	---	---	---	1,28	up
5628662	7198210	1370993	---	---	---	1,33	down
5628715	7039223	983562	---	---	---	1,19	up
5628743	7303616	1631325	---	---	---	1,39	down
5628750	7031774	964729	---	---	---	1,25	up
5628928	7188638	1346187	---	---	---	1,15	up
5629236	7099650	1126880	---	---	---	3,43	down
5629281	7380497	1821840	---	---	---	1,24	down
5629395	7299512	1620558	---	---	---	1,06	up
5629400	7182056	1330595	---	---	---	2,01	down
5629461	7140113	1226059	---	---	---	1,77	down
5629478	7217679	1417292	---	---	---	1,34	up
5629543	7131889	1206086	---	---	---	1,78	up
5629610	7311367	1650729	---	---	---	2,07	up
5629618	7035414	974468	---	---	---	1,54	down
5629664	7221420	1426253	---	---	---	1,99	up
5629793	7052385	1014797	---	---	---	1,46	up
5629832	7050726	1011270	---	---	---	1,13	up
5629887	7139708	1225062	---	---	---	1,04	down
5629993	7231835	1452294	---	---	---	1,19	up
5630020	7181442	1328882	---	---	---	1,15	down
5630230	7376820	1813396	---	---	---	1,71	down
5630400	7060851	1033411	---	---	---	1,07	down
5630407	7279499	1571823	---	---	---	1,04	up
5630432	7058713	1028666	---	---	---	1,06	down
5630501	7114108	1162441	---	---	---	1,01	up
5630531	7070616	1057784	---	---	---	1,23	up
5630581	7174149	1310509	---	---	---	1,19	down

5630800	7191594	1354170	---	---	---	1,79	up
5630978	7049332	1008176	---	---	---	1,18	down
5631042	7267953	1542231	---	---	---	1,05	up
5631045	7087492	1096708	---	---	---	1,10	down
5631298	7088164	1098473	---	---	---	1,73	down
5631337	7237719	1467515	---	---	---	1,03	up
5631410	7059766	1030973	---	---	---	1,39	up
5631420	7102369	1133435	---	---	---	1,15	down
5631461	7131360	1204991	---	---	---	1,31	down
5631514	7113984	1162230	---	---	---	1,12	up
5631567	7068853	1053104	---	---	---	1,04	down
5631654	7349946	1744950	---	---	---	1,12	down
5631694	7258784	1519669	---	---	---	1,58	down
5631707	7284501	1583863	---	---	---	1,06	down
5631754	7294221	1606734	---	---	---	2,04	up
5631854	7246570	1489217	---	---	---	1,27	up
5631873	7213908	1407645	---	---	---	1,24	down
5631889	7210387	1400039	---	---	---	1,17	down
5632051	7149817	1250316	---	---	---	1,12	down
5632093	7052385	1014776	---	---	---	1,11	up
5632127	7368004	1789332	---	---	---	1,40	up
5632144	7112225	1157591	---	---	---	1,02	up
5632247	7169732	1298780	---	---	---	1,15	up
5632285	7198210	1370959	---	---	---	1,10	up
5632305	7132125	1206623	---	---	---	1,00	up
5632368	7331434	1699203	---	---	---	1,14	down
5632437	7236358	1464240	---	---	---	1,07	up
5632624	7318143	1668091	---	---	---	1,87	down
5632764	7068853	1053099	---	---	---	1,47	up
5632767	7206133	1389982	---	---	---	1,08	up
5632771	7367971	1789117	---	---	---	1,01	up
5632790	7070836	1058336	---	---	---	1,34	up
5632891	7372840	1803760	---	---	---	1,29	up
5632899	7120827	1179352	---	---	---	1,07	down
5632905	7068942	1053393	---	---	---	1,59	down
5632910	7127540	1195288	---	---	---	1,08	down
5632915	7031325	963573	---	---	---	1,22	down
5633010	7098366	1123608	---	---	---	1,18	up
5633034	7248964	1494937	---	---	---	1,11	up
5633098	7183182	1333572	---	---	---	1,07	up
5633208	7232340	1453533	---	---	---	1,63	up
5633360	7234008	1458358	---	---	---	1,56	down
5633407	7274780	1559198	---	---	---	1,64	up
5633495	7319937	1672264	---	---	---	1,13	down
5633537	7183927	1335504	---	---	---	1,16	down
5633538	7049399	1008351	---	---	---	1,03	down
5633569	7043535	994088	---	---	---	1,03	up
5633632	7211389	1402115	---	---	---	1,16	down
5633722	7331719	1699913	---	---	---	1,37	down
5633740	7031618	964204	---	---	---	1,57	up
5633884	7209927	1398945	---	---	---	1,26	up
5633968	7064224	1041796	---	---	---	1,36	down
5634078	7308679	1644253	---	---	---	1,10	up
5634091	7112225	1157569	---	---	---	1,06	up
5634103	7330396	1696364	---	---	---	1,09	down
5634121	7328833	1692800	---	---	---	1,32	down

5634291	7315571	1661010	---	---	---	1,98	down
5634476	7364346	1780031	---	---	---	1,98	up
5634493	7070836	1058337	---	---	---	2,02	up
5634503	7062436	1037680	---	---	---	1,29	up
5634574	7196029	1365603	---	---	---	1,51	down
5634587	7384073	1829453	---	---	---	1,18	down
5634869	7180620	1326381	---	---	---	1,25	up
5634872	7213908	1407649	---	---	---	1,07	down
5634889	7170764	1301471	---	---	---	2,02	up
5634891	7240569	1475470	---	---	---	1,44	down
5634979	7180620	1326383	---	---	---	1,03	down
5635075	7180687	1326626	---	---	---	1,22	up
5635171	7286807	1588841	---	---	---	1,01	up
5635197	7033672	970337	---	---	---	1,33	up
5635268	7038153	981158	---	---	---	1,23	down
5635344	7174149	1310533	---	---	---	1,41	up
5635345	7031618	964198	---	---	---	1,19	up
5635420	7196029	1365629	---	---	---	1,02	up
5635434	7373634	1805729	---	---	---	1,18	down
5635436	7086966	1095237	---	---	---	1,20	up
5635441	7038530	981879	---	---	---	1,30	up
5635450	7337224	1712585	---	---	---	1,32	down
5635493	7068853	1053115	---	---	---	1,01	up
5635559	7341546	1723942	---	---	---	1,14	up
5635674	7385134	1831974	---	---	---	1,03	down
5635756	7297589	1615622	---	---	---	1,32	down
5635799	7265989	1537101	---	---	---	1,51	down
5635838	7249503	1496207	---	---	---	1,04	up
5636067	7033504	969867	---	---	---	1,28	up
5636139	7099517	1126497	---	---	---	1,36	up
5636257	7162144	1280497	---	---	---	1,32	down
5636279	7039223	983571	---	---	---	1,43	down
5636390	7217650	1417206	---	---	---	1,30	down
5636408	7117526	1170987	---	---	---	1,74	down
5636472	7185622	1339212	---	---	---	1,06	up
5636514	7097525	1121062	---	---	---	1,45	down
5636632	7036458	977022	---	---	---	2,05	up
5636652	7238115	1468668	---	---	---	1,20	up
5636704	7076236	1071192	---	---	---	1,28	up
5636721	7302018	1626961	---	---	---	1,11	down
5636749	7067828	1050784	---	---	---	1,16	up
5636777	7339379	1718327	---	---	---	1,71	down
5636887	7125348	1190100	---	---	---	1,55	up
5636910	7215722	1412268	---	---	---	1,22	up
5636931	7039821	985058	---	---	---	1,39	down
5636964	7257361	1516098	---	---	---	1,09	down
5637126	7248790	1494503	---	---	---	1,14	up
5637162	7207069	1392023	---	---	---	1,00	up
5637277	7094139	1112897	---	---	---	1,02	down
5637311	7143272	1234230	---	---	---	2,03	up
5637312	7286807	1588777	---	---	---	1,28	up
5637475	7137646	1220430	---	---	---	1,70	down
5637531	7249503	1496162	---	---	---	1,15	down
5637533	7112225	1157599	---	---	---	1,13	up
5637622	7060851	1033366	---	---	---	1,12	up
5637641	7162144	1280490	---	---	---	1,18	down

5637678	7112225	1157533	---	---	---	1,20	down
5637694	7258520	1518869	---	---	---	2,18	up
5637747	7174149	1310495	---	---	---	1,52	up
5637824	7052813	1015927	---	---	---	1,07	up
5637857	7092965	1110192	---	---	---	1,16	up
5637975	7222221	1428056	---	---	---	1,11	down
5638128	7384509	1830763	---	---	---	1,86	down
5638163	7069253	1054157	---	---	---	1,05	up
5638353	7237719	1467477	---	---	---	1,16	down
5638386	7234040	1458505	---	---	---	1,18	down
5638438	7120010	1177376	---	---	---	1,19	up
5638468	7029985	960597	---	---	---	1,33	down
5638482	7049399	1008401	---	---	---	1,61	up
5638591	7034293	971994	---	---	---	1,24	down
5638818	7258546	1518975	---	---	---	1,14	up
5638871	7180630	1326426	---	---	---	1,07	up
5638887	7372840	1803781	---	---	---	1,09	up
5639009	7146245	1241362	---	---	---	1,24	up
5639019	7121866	1181871	---	---	---	1,26	up
5639073	7327169	1688442	---	---	---	1,26	up
5639122	7274780	1559226	---	---	---	1,06	down
5639238	7201217	1378772	---	---	---	1,24	up
5639271	7101258	1130570	---	---	---	1,14	up
5639275	7254040	1507593	---	---	---	1,17	up
5639284	7255663	1511711	---	---	---	1,08	down
5639288	7174281	1310844	---	---	---	1,96	up
5639409	7146093	1240983	---	---	---	1,00	down
5639483	7247976	1492429	---	---	---	1,08	down
5639492	7364948	1781218	---	---	---	1,03	down
5639867	7337260	1712810	---	---	---	1,07	up
5640080	7263152	1530358	---	---	---	1,07	up
5640168	7127691	1195632	---	---	---	1,11	up
5640340	7049399	1008415	---	---	---	1,09	down
5640343	7361042	1772264	---	---	---	1,53	up
5640370	7060851	1033422	---	---	---	1,11	down
5640488	7270592	1548561	---	---	---	1,16	up
5640505	7089381	1102065	---	---	---	1,66	down
5640510	7358859	1767002	---	---	---	1,05	up
5640515	7056304	1023627	---	---	---	1,18	up
5640556	7179785	1324499	---	---	---	1,34	up
5640589	7062436	1037653	---	---	---	1,29	up
5640617	7293757	1605681	---	---	---	1,13	down
5640627	7220914	1425048	---	---	---	2,35	down
5640664	7087282	1096144	---	---	---	1,27	down
5640667	7384365	1830280	---	---	---	1,36	up
5640675	7209927	1398918	---	---	---	1,12	down
5640730	7270574	1548526	---	---	---	1,23	down
5640749	7028624	958006	---	---	---	1,01	down
5640951	7108345	1148088	---	---	---	1,06	down
5641298	7104977	1140169	---	---	---	1,12	up
5641337	7321029	1674804	---	---	---	1,02	down
5641349	7274892	1559549	---	---	---	2,26	down
5641386	7357813	1764112	---	---	---	1,16	down
5641396	7276762	1564503	---	---	---	1,46	up
5641449	7112225	1157621	---	---	---	1,00	up
5641501	7303616	1631394	---	---	---	1,40	up

5641555	7280743	1574464	---	---	---	1,07	up
5641699	7359453	1768449	---	---	---	1,05	up
5641772	7052813	1015931	---	---	---	1,25	down
5641891	7380497	1821829	---	---	---	1,27	down
5641991	7240569	1475464	---	---	---	1,03	up
5642011	7065265	1044560	---	---	---	1,16	up
5642064	7369939	1795635	---	---	---	1,99	down
5642083	7323545	1679938	---	---	---	1,54	up
5642100	7354688	1756381	---	---	---	1,13	down
5642421	7340838	1722073	---	---	---	1,83	up
5642450	7186464	1341369	---	---	---	1,29	down
5642493	7358048	1764805	---	---	---	1,38	down
5642603	7356115	1760136	---	---	---	1,08	down
5642731	7168914	1297034	---	---	---	1,54	up
5642951	7039223	983563	---	---	---	1,01	up
5642961	7070836	1058349	---	---	---	1,10	up
5642983	7033672	970368	---	---	---	1,02	up
5642990	7189689	1349058	---	---	---	1,31	down
5643092	7059584	1030542	---	---	---	1,72	up
5643101	7050557	1010800	---	---	---	1,20	down
5643302	7264797	1534427	---	---	---	1,36	up
5643354	7361042	1772278	---	---	---	1,08	down
5643486	7209927	1398939	---	---	---	1,18	down
5643498	7284359	1583436	---	---	---	1,03	up
5643771	7033337	969499	---	---	---	1,52	up
5643958	7073950	1065923	---	---	---	1,20	down
5644135	7377513	1815291	---	---	---	1,16	down
5644166	7052813	1015883	---	---	---	1,24	down
5644186	7293402	1604804	---	---	---	1,59	up
5644252	7200129	1375996	---	---	---	1,80	down
5644334	7087282	1096240	---	---	---	1,36	down
5644373	7079600	1078629	---	---	---	1,21	down
5644378	7084716	1090110	---	---	---	2,38	down
5644384	7249503	1496165	---	---	---	1,01	down
5644414	7334347	1705756	---	---	---	1,12	up
5644419	7279586	1572072	---	---	---	1,26	up
5644446	7057615	1026112	---	---	---	2,99	up
5644538	7065655	1045271	---	---	---	1,17	up
5644620	7147809	1245448	---	---	---	1,12	up
5644717	7340990	1722509	---	---	---	1,17	down
5644825	7188829	1346662	---	---	---	1,00	down
5644930	7291129	1599599	---	---	---	1,11	down
5644967	7107321	1145318	---	---	---	1,23	up
5644981	7264797	1534422	---	---	---	1,02	down
5644986	7156052	1265760	---	---	---	1,11	up
5645024	7329135	1693498	---	---	---	1,05	up
5645034	7228530	1443905	---	---	---	1,22	down
5645046	7041609	989588	---	---	---	1,01	up
5645062	7027795	956272	---	---	---	1,18	up
5645350	7240569	1475503	---	---	---	1,07	down
5645390	7129841	1200829	---	---	---	1,01	down
5645543	7243130	1480898	---	---	---	1,00	down
5645603	7247848	1492049	---	---	---	1,31	down
5645735	7183182	1333563	---	---	---	1,42	up
5645775	7073950	1065938	---	---	---	1,20	down
5645789	7313411	1655432	---	---	---	1,04	up

5645791	7373417	1805097	---	---	---	1,20	down
5645868	7167883	1294099	---	---	---	1,15	down
5645990	7097525	1121061	---	---	---	1,12	up
5646099	7140113	1226087	---	---	---	1,98	down
5646107	7095956	1117045	---	---	---	1,47	down
5646114	7025652	950282	---	---	---	1,06	down
5646144	7337314	1712898	---	---	---	1,17	up
5646206	7310670	1648981	---	---	---	2,09	down
5646263	7072765	1062741	---	---	---	1,23	down
5646334	7360486	1770960	---	---	---	1,05	up
5646340	7345465	1733859	---	---	---	1,09	down
5646383	7152974	1257659	---	---	---	1,02	down
5646510	7255663	1511711	---	---	---	1,08	down
5646514	7142853	1232904	---	---	---	1,36	down
5646548	7303616	1631319	---	---	---	1,11	down
5646667	7076236	1071178	---	---	---	1,09	down
5646868	7337522	1713595	---	---	---	1,49	down
5646880	7068853	1053123	---	---	---	1,02	down
5646960	7378997	1818648	---	---	---	1,21	up
5646986	7331413	1699136	---	---	---	1,00	up
5647023	7338807	1716825	---	---	---	1,38	down
5647058	7270397	1548132	---	---	---	1,59	down
5647059	7070140	1056478	---	---	---	2,96	up
5647136	7174149	1310488	---	---	---	1,14	down
5647146	7115708	1166476	---	---	---	1,27	up
5647204	7338807	1716825	---	---	---	1,07	down
5647237	7240569	1475487	---	---	---	1,08	down
5647249	7351951	1749850	---	---	---	1,27	down
5647266	7154616	1262187	---	---	---	2,63	up
5647329	7112225	1157603	---	---	---	1,20	up
5647436	7331434	1699206	---	---	---	1,12	down
5647505	7167507	1293108	---	---	---	1,14	up
5647599	7373906	1806354	---	---	---	1,02	up
5647671	7327169	1688440	---	---	---	1,48	up
5647718	7192696	1357171	---	---	---	1,00	up
5647769	7364346	1780010	---	---	---	1,70	up
5647806	7040260	986056	---	---	---	1,18	down
5647873	7210600	1400526	---	---	---	1,13	down
5647904	7258670	1519342	---	---	---	1,30	down
5647927	7333462	1703643	---	---	---	2,14	down
5647979	7156052	1265744	---	---	---	1,53	down
5648068	7357890	1764390	---	---	---	1,47	up
5648144	7216676	1414421	---	---	---	2,24	down
5648190	7037764	979986	---	---	---	1,03	down
5648229	7369706	1794799	---	---	---	1,23	up
5648272	7067670	1050319	---	---	---	2,08	up
5648333	7378997	1818639	---	---	---	1,38	down
5648338	7362184	1774819	---	---	---	1,20	up
5648469	7229856	1447078	---	---	---	1,34	up
5648496	7369400	1793983	---	---	---	1,60	down
5648674	7352635	1751446	---	---	---	1,55	up
5648782	7344406	1731202	---	---	---	1,15	up
5648816	7221552	1426615	---	---	---	1,19	up
5649020	7031618	964201	---	---	---	1,01	up
5649051	7344838	1732458	---	---	---	1,24	down
5649068	7094158	1112981	---	---	---	1,05	up

5649479	7143455	1234729	---	---	---	1,35	up
5649604	7295410	1609754	---	---	---	1,20	up
5649650	7059020	1029362	---	---	---	1,10	up
5649656	7069830	1055642	---	---	---	1,02	down
5649676	7171047	1302370	---	---	---	1,20	up
5649716	7099273	1125958	---	---	---	1,09	up
5649744	7142770	1232693	---	---	---	1,01	down
5649950	7384073	1829452	---	---	---	1,19	down
5650049	7088625	1099877	---	---	---	4,89	down
5650343	7101258	1130567	---	---	---	1,11	up
5650368	7297589	1615629	---	---	---	1,26	down
5650437	7167507	1293122	---	---	---	1,12	down
5650443	7243603	1482272	---	---	---	1,17	up
5650452	7189184	1347596	---	---	---	1,33	down
5650597	7070869	1058492	---	---	---	1,57	up
5650652	7247954	1492396	---	---	---	1,01	down
5650684	7068942	1053385	---	---	---	1,16	down
5650873	7072552	1062133	---	---	---	1,14	up
5650878	7384365	1830270	---	---	---	1,00	up
5650938	7272110	1553031	---	---	---	1,02	up
5651104	7086966	1095253	---	---	---	1,09	down
5651353	7181016	1327787	---	---	---	1,06	down
5651587	7273251	1555948	---	---	---	1,47	up
5651593	7086966	1095236	---	---	---	3,00	up
5651628	7321414	1675640	---	---	---	1,08	up
5651678	7062436	1037682	---	---	---	1,48	up
5651684	7094158	1112972	---	---	---	1,57	down
5651738	7174281	1310845	---	---	---	2,40	up
5651886	7376820	1813442	---	---	---	1,49	down
5651910	7256191	1512862	---	---	---	1,01	down
5651930	7141421	1229478	---	---	---	2,36	down
5651954	7230611	1448801	---	---	---	2,09	up
5652024	7384509	1830731	---	---	---	1,17	up
5652119	7069830	1055643	---	---	---	1,21	down
5652136	7131360	1204977	---	---	---	1,22	up
5652142	7236991	1465786	---	---	---	2,17	down
5652220	7359551	1768623	---	---	---	1,29	down
5652230	7186106	1340498	---	---	---	1,14	down
5652234	7363132	1776960	---	---	---	1,07	up
5652266	7136062	1216294	---	---	---	1,42	up
5652284	7355804	1759431	---	---	---	1,35	up
5652295	7231152	1450228	---	---	---	1,11	down
5652322	7373906	1806370	---	---	---	1,52	down
5652353	7157341	1269149	---	---	---	1,12	down
5652473	7115708	1166474	---	---	---	1,18	up
5652547	7064732	1042931	---	---	---	1,56	down
5652573	7377513	1815290	---	---	---	1,18	down
5652608	7061003	1033923	---	---	---	1,10	down
5652717	7251608	1501459	---	---	---	1,87	down
5652797	7188822	1346632	---	---	---	1,05	down
5652843	7068942	1053380	---	---	---	2,46	up
5652863	7301890	1626691	---	---	---	1,17	down
5652918	7097525	1121053	---	---	---	1,27	down
5652977	7359551	1768623	---	---	---	1,13	down
5653268	7182056	1330576	---	---	---	1,06	down
5653282	7319937	1672294	---	---	---	1,01	up

5653349	7217650	1417171	---	---	---	1,14	up
5653379	7333462	1703641	---	---	---	1,14	down
5653381	7329075	1693381	---	---	---	1,24	down
5653435	7101643	1131578	---	---	---	1,62	up
5653437	7029078	958875	---	---	---	1,35	up
5653528	7374842	1808985	---	---	---	1,00	up
5653594	7349946	1744941	---	---	---	1,30	down
5653612	7206133	1389981	---	---	---	1,08	up
5653890	7069830	1055639	---	---	---	1,22	up
5653924	7214363	1408947	---	---	---	1,63	down
5653936	7213908	1407657	---	---	---	1,27	up
5653949	7279303	1571201	---	---	---	1,40	down
5654024	7068853	1053136	---	---	---	1,02	up
5654035	7259923	1522524	---	---	---	1,01	down
5654037	7339732	1719239	---	---	---	1,07	up
5654069	7067670	1050333	---	---	---	2,15	down
5654083	7175368	1313278	---	---	---	1,07	up
5654095	7379957	1820634	---	---	---	1,16	up
5654104	7295410	1609716	---	---	---	1,26	up
5654227	7060851	1033425	---	---	---	1,01	down
5654257	7297523	1615424	---	---	---	1,14	up
5654462	7368954	1792778	---	---	---	2,18	up
5654481	7176235	1315234	---	---	---	1,28	down
5654504	7083030	1086248	---	---	---	1,21	up
5654551	7041465	989108	---	---	---	1,70	down
5654567	7214363	1408974	---	---	---	1,03	up
5654740	7040260	986067	---	---	---	1,31	up
5654765	7114108	1162445	---	---	---	1,11	down
5654836	7260613	1524279	---	---	---	1,12	up
5654852	7041061	988081	---	---	---	1,42	up
5654988	7107926	1146838	---	---	---	1,41	down
5654989	7087965	1098047	---	---	---	1,05	up
5655049	7294151	1606635	---	---	---	1,22	up
5655060	7240569	1475400	---	---	---	1,27	down
5655084	7200545	1376912	---	---	---	1,38	down
5655244	7236254	1464054	---	---	---	1,13	up
5655266	7323545	1679942	---	---	---	1,02	up
5655364	7285061	1585156	---	---	---	2,84	down
5655394	7169599	1298444	---	---	---	1,07	up
5655480	7037764	980088	---	---	---	1,07	up
5655617	7114108	1162451	---	---	---	1,27	up
5655636	7373633	1805697	---	---	---	1,06	up
5655712	7240569	1475472	---	---	---	1,09	down
5655728	7069239	1054091	---	---	---	1,70	down
5655776	7243130	1480824	---	---	---	1,28	up
5655804	7086966	1095263	---	---	---	1,26	down
5655824	7147416	1244423	---	---	---	1,04	up
5655941	7319937	1672259	---	---	---	1,45	up
5655989	7094139	1112921	---	---	---	1,65	up
5656108	7169599	1298453	---	---	---	1,04	up
5656203	7190582	1351397	---	---	---	1,06	down
5656223	7274892	1559566	---	---	---	1,05	up
5656279	7040260	986090	---	---	---	1,00	up
5656303	7327169	1688460	---	---	---	2,26	up
5656308	7052385	1014790	---	---	---	1,12	down
5656535	7039302	983840	---	---	---	1,04	down

5656584	7099573	1126723	---	---	---	1,06	up
5656602	7231835	1452278	---	---	---	1,29	up
5656619	7292517	1602554	---	---	---	1,17	up
5656789	7075424	1069301	---	---	---	1,15	down
5656861	7217747	1417467	---	---	---	1,16	down
5657013	7263152	1530355	---	---	---	1,05	up
5657054	7113483	1161021	---	---	---	1,01	up
5657070	7105375	1140969	---	---	---	1,08	down
5657107	7060851	1033415	---	---	---	1,26	up
5657153	7062173	1037017	---	---	---	2,01	down
5657185	7305674	1636848	---	---	---	1,03	down
5657191	7236254	1464057	---	---	---	1,16	down
5657222	7217679	1417297	---	---	---	1,25	up
5657226	7297589	1615666	---	---	---	1,70	up
5657241	7181193	1328299	---	---	---	1,28	down
5657327	7247954	1492387	---	---	---	1,14	up
5657595	7384365	1830279	---	---	---	1,41	down
5657648	7312566	1653300	---	---	---	1,41	up
5657712	7041609	989555	---	---	---	1,12	down
5657753	7297274	1614658	---	---	---	1,09	down
5657853	7210387	1400046	---	---	---	1,12	down
5657897	7368004	1789328	---	---	---	1,18	up
5657916	7095021	1115139	---	---	---	1,10	up
5657917	7356115	1760114	---	---	---	1,26	up
5657954	7319937	1672278	---	---	---	1,55	down
5657958	7088625	1099868	---	---	---	1,39	up
5658096	7067828	1050771	---	---	---	1,27	down
5658121	7113083	1159968	---	---	---	1,15	up
5658199	7280959	1575055	---	---	---	1,05	down
5658290	7181105	1327963	---	---	---	1,18	up
5658359	7143455	1234713	---	---	---	2,20	down
5658436	7059020	1029349	---	---	---	1,29	up
5658445	7276762	1564484	---	---	---	1,10	up
5658472	7033504	969850	---	---	---	1,46	up
5658478	7071264	1059285	---	---	---	1,02	up
5658498	7083030	1086248	---	---	---	1,31	up
5658507	7152974	1257657	---	---	---	2,48	down
5658524	7196029	1365624	---	---	---	1,38	down
5658823	7319937	1672302	---	---	---	1,50	up
5658975	7061550	1035282	---	---	---	1,59	down
5659004	7249737	1496760	---	---	---	1,17	up
5659174	7045955	1000746	---	---	---	1,40	down
5659192	7112225	1157618	---	---	---	1,00	up
5659206	7253408	1505935	---	---	---	1,46	down
5659254	7188681	1346293	---	---	---	1,08	up
5659440	7297421	1615065	---	---	---	1,06	down
5659548	7297589	1615641	---	---	---	1,45	up
5659602	7189689	1349044	---	---	---	1,27	up
5659628	7162177	1280576	---	---	---	2,04	down
5659690	7150631	1252158	---	---	---	1,25	up
5659767	7373658	1805799	---	---	---	1,04	down
5659790	7293049	1603887	---	---	---	1,71	up
5659831	7319937	1672308	---	---	---	1,01	down
5659872	7075445	1069353	---	---	---	1,16	down
5659921	7339732	1719203	---	---	---	1,57	down
5659928	7378997	1818646	---	---	---	1,06	up

5659946	7090278	1104112	---	---	---	1,05	down
5660008	7198210	1371026	---	---	---	1,13	down
5660014	7112225	1157561	---	---	---	1,32	up
5660134	7374790	1808783	---	---	---	1,16	up
5660195	7247228	1490533	---	---	---	1,09	up
5660241	7240569	1475502	---	---	---	1,10	up
5660259	7139708	1225067	---	---	---	1,20	down
5660338	7210445	1400144	---	---	---	2,03	down
5660360	7293402	1604856	---	---	---	1,96	up
5660419	7088625	1099880	---	---	---	1,40	up
5660423	7111244	1155383	---	---	---	1,29	down
5660468	7070869	1058491	---	---	---	1,41	up
5660476	7028624	957993	---	---	---	1,02	up
5660517	7373038	1804289	---	---	---	1,07	down
5660588	7189669	1348970	---	---	---	1,12	up
5660627	7207069	1392028	---	---	---	1,50	down
5660730	7240569	1475479	---	---	---	1,00	up
5660819	7083030	1086259	---	---	---	1,27	up
5660826	7225304	1435315	---	---	---	2,28	down
5660858	7088164	1098472	---	---	---	1,05	up
5660939	7031618	964198	---	---	---	1,12	up
5660942	7350489	1746106	---	---	---	1,17	down
5661067	7184850	1337612	---	---	---	1,07	down
5661073	7336250	1710163	---	---	---	1,16	up
5661078	7143455	1234728	---	---	---	1,63	down
5661102	7336931	1711872	---	---	---	1,08	up
5661155	7142081	1230986	---	---	---	1,04	up
5661214	7340838	1722061	---	---	---	1,01	up
5661381	7067670	1050322	---	---	---	1,67	up
5661390	7249503	1496195	---	---	---	1,02	down
5661483	7113083	1159966	---	---	---	1,24	up
5661601	7361223	1772620	---	---	---	1,03	up
5661633	7069142	1053880	---	---	---	1,38	up
5661700	7263248	1530601	---	---	---	1,31	up
5661833	7350993	1747497	---	---	---	1,31	up
5661883	7299512	1620552	---	---	---	1,02	up
5661911	7133612	1210265	---	---	---	1,08	up
5662041	7031325	963570	---	---	---	1,04	down
5662259	7069724	1055337	---	---	---	1,03	up
5662281	7101564	1131389	---	---	---	1,54	down
5662321	7239752	1473149	---	---	---	1,20	up
5662401	7064220	1041760	---	---	---	1,26	up
5662439	7376566	1812878	---	---	---	1,25	up
5662522	7330396	1696370	---	---	---	1,37	up
5662645	7139708	1225051	---	---	---	1,51	up
5662710	7122131	1182680	---	---	---	1,15	up
5662877	7254040	1507592	---	---	---	1,05	down
5662891	7291054	1599405	---	---	---	1,11	up
5663026	7243130	1480854	---	---	---	1,01	down
5663055	7097525	1121072	---	---	---	1,37	up
5663200	7148978	1248528	---	---	---	1,04	up
5663343	7173863	1309701	---	---	---	2,21	down
5663381	7363132	1776954	---	---	---	1,73	up
5663434	7258546	1518930	---	---	---	1,05	down
5663615	7092549	1109167	---	---	---	1,29	down
5663645	7174281	1310875	---	---	---	1,60	up

5663670	7289382	1595205	---	---	---	1,43	down
5663683	7305674	1636825	---	---	---	1,06	up
5663748	7162144	1280514	---	---	---	1,51	up
5663760	7337522	1713634	---	---	---	1,43	up
5663927	7329846	1694996	---	---	---	1,48	up
5664013	7358859	1766963	---	---	---	1,16	down
5664021	7055876	1022469	---	---	---	1,02	up
5664033	7341253	1723257	---	---	---	1,08	down
5664062	7344530	1731582	---	---	---	1,17	up
5664063	7090278	1104134	---	---	---	1,28	down
5664178	7233440	1456840	---	---	---	1,08	up
5664231	7249388	1495880	---	---	---	1,05	down
5664259	7196029	1365625	---	---	---	1,98	up
5664483	7259923	1522530	---	---	---	1,20	down
5664514	7363568	1778141	---	---	---	1,77	down
5664524	7036559	977250	---	---	---	1,30	up
5664537	7069253	1054153	---	---	---	1,18	down
5664641	7346505	1736285	---	---	---	1,23	down
5664725	7180620	1326399	---	---	---	1,68	up
5664731	7251608	1501462	---	---	---	1,06	up
5664741	7213908	1407698	---	---	---	1,01	up
5664939	7321029	1674827	---	---	---	1,07	up
5664956	7092549	1109178	---	---	---	1,06	down
5665071	7115880	1166818	---	---	---	1,28	up
5665238	7211389	1402113	---	---	---	1,02	down
5665241	7098451	1123818	---	---	---	1,10	down
5665266	7315206	1660016	---	---	---	1,02	down
5665293	7038153	981162	---	---	---	1,20	down
5665312	7098077	1122730	---	---	---	1,20	down
5665321	7068942	1053382	---	---	---	1,21	up
5665332	7236991	1465787	---	---	---	1,20	up
5665427	7064732	1042909	---	---	---	1,25	down
5665485	7240569	1475403	---	---	---	1,05	up
5665597	7350489	1746120	---	---	---	1,81	down
5665648	7359426	1768370	---	---	---	1,23	up
5665716	7217679	1417304	---	---	---	1,66	up
5665723	7339286	1718038	---	---	---	1,54	up
5665909	7139708	1225060	---	---	---	1,02	up
5666050	7319144	1670101	---	---	---	1,14	down
5666066	7344836	1732411	---	---	---	1,06	down
5666119	7276762	1564514	---	---	---	2,25	up
5666359	7331297	1698817	---	---	---	1,09	down
5666391	7062927	1038620	---	---	---	1,12	up
5666636	7237711	1467430	---	---	---	1,61	down
5666657	7279568	1572028	---	---	---	1,11	down
5666993	7326612	1687204	---	---	---	2,12	down
5667022	7340757	1721889	---	---	---	1,39	down
5667102	7276650	1564163	---	---	---	1,52	down
5667229	7148978	1248539	---	---	---	1,84	down
5667595	7196803	1367338	---	---	---	1,25	up
5667711	7169573	1298391	---	---	---	1,03	up
5667717	7344190	1730618	---	---	---	1,34	down
5667724	7131550	1205571	---	---	---	2,25	up
5667802	7123421	1185812	---	---	---	1,41	down
5667904	7217650	1417177	---	---	---	1,12	up
5667974	7132020	1206308	---	---	---	1,05	up

5668090	7221453	1426358	---	---	---	1,27	down
5668092	7203872	1384764	---	---	---	1,11	down
5668158	7036412	976852	---	---	---	1,02	down
5668224	7180861	1327217	---	---	---	1,02	up
5668238	7316644	1664000	---	---	---	1,17	up
5668243	7373633	1805716	---	---	---	1,03	up
5668244	7364948	1781228	---	---	---	1,02	down
5668312	7276231	1563103	---	---	---	1,04	down
5668846	7243603	1482258	---	---	---	1,54	up
5669018	7246866	1489791	---	---	---	1,25	down
5669174	7326612	1687192	---	---	---	1,38	down
5669231	7316644	1664037	---	---	---	1,02	down
5669279	7378997	1818680	---	---	---	1,93	down
5669315	7243647	1482481	---	---	---	1,02	up
5669347	7031774	964788	---	---	---	1,34	down
5669444	7031774	964777	---	---	---	1,05	down
5669552	7180630	1326456	---	---	---	1,04	down
5669568	7263652	1531628	---	---	---	1,14	up
5669607	7188138	1345026	---	---	---	1,00	up
5669788	7170764	1301476	---	---	---	1,06	down
5669860	7254405	1508638	---	---	---	1,09	up
5669925	7316644	1664004	---	---	---	1,01	up
5670007	7193987	1360666	---	---	---	2,01	up
5670035	7249503	1496218	---	---	---	1,08	up
5670098	7258176	1518212	---	---	---	1,21	down
5670213	7217679	1417318	---	---	---	1,08	down
5670335	7263152	1530359	---	---	---	1,15	down
5670340	7112566	1158626	---	---	---	1,10	up
5670360	7065655	1045245	---	---	---	1,18	up
5670372	7131360	1204988	---	---	---	1,14	up
5670440	7217650	1417204	---	---	---	1,46	down
5670453	7181193	1328293	---	---	---	1,07	down
5670557	7328920	1693019	---	---	---	2,17	up
5670576	7192320	1356045	---	---	---	1,20	up
5670578	7243647	1482484	---	---	---	1,22	up
5670597	7312621	1653461	---	---	---	1,17	down
5670609	7265989	1537099	---	---	---	1,03	up
5670743	7127257	1194800	---	---	---	2,23	up
5670820	7276762	1564503	---	---	---	1,45	up
5671155	7225304	1435318	---	---	---	1,24	up
5671164	7233970	1458274	---	---	---	1,06	up
5671199	7070616	1057794	---	---	---	1,06	up
5671245	7341397	1723637	---	---	---	1,03	up
5671255	7179143	1322789	---	---	---	1,13	up
5671261	7319937	1672290	---	---	---	1,76	up
5671361	7171525	1303444	---	---	---	1,10	down
5671395	7038669	982179	---	---	---	1,12	down
5671446	7078666	1076548	---	---	---	1,49	up
5671493	7217650	1417186	---	---	---	1,26	up
5671558	7095262	1115660	---	---	---	1,10	up
5671611	7068853	1053120	---	---	---	1,11	up
5671628	7111573	1156022	---	---	---	1,11	up
5671669	7303805	1632098	---	---	---	1,26	down
5671812	7059375	1030078	---	---	---	1,36	up
5671964	7355421	1758509	---	---	---	1,35	down
5672095	7249737	1496762	---	---	---	1,10	down

5672202	7373906	1806374	---	---	---	1,23	down
5672241	7297523	1615427	---	---	---	1,09	up
5672243	7034293	971904	---	---	---	1,06	down
5672248	7305674	1636830	---	---	---	1,62	up
5672332	7340304	1720867	---	---	---	1,82	down
5672416	7031774	964783	---	---	---	1,17	down
5672474	7337224	1712620	---	---	---	1,44	up
5672486	7258784	1519674	---	---	---	1,01	down
5672494	7060851	1033360	---	---	---	1,32	up
5672498	7349882	1744790	---	---	---	1,46	down
5672542	7172066	1304738	---	---	---	1,66	down
5672603	7284501	1583850	---	---	---	1,05	up
5672648	7371682	1800774	---	---	---	2,26	down
5672685	7294264	1606843	---	---	---	1,05	up
5672750	7373417	1805105	---	---	---	1,05	up
5672861	7061367	1034829	---	---	---	1,09	up
5672973	7330396	1696345	---	---	---	1,06	down
5673018	7287222	1589717	---	---	---	1,26	down
5673104	7267953	1542264	---	---	---	1,31	up
5673189	7113483	1161005	---	---	---	1,05	down
5673240	7258520	1518891	---	---	---	1,03	up
5673254	7041609	989575	---	---	---	1,07	up
5673325	7363568	1778138	---	---	---	1,01	up
5673352	7193056	1358257	---	---	---	1,15	up
5673422	7339110	1717607	---	---	---	1,02	down
5673548	7331434	1699199	---	---	---	1,32	up
5673611	7050780	1011373	---	---	---	1,33	up
5673880	7252382	1503515	---	---	---	1,12	down
5673977	7225553	1435969	---	---	---	1,45	down
5674054	7247229	1490560	---	---	---	1,30	up
5674119	7078666	1076506	---	---	---	1,10	down
5674251	7173863	1309701	---	---	---	1,47	down
5674257	7237992	1468282	---	---	---	1,17	down
5674515	7240569	1475388	---	---	---	1,27	down
5674581	7131360	1204989	---	---	---	1,20	up
5674645	7371643	1800656	---	---	---	1,03	up
5674668	7092965	1110193	---	---	---	1,06	up
5674687	7217747	1417508	---	---	---	1,04	down
5674724	7286807	1588804	---	---	---	2,86	up
5674983	7240569	1475512	---	---	---	1,11	down
5675186	7060851	1033367	---	---	---	1,01	down
5675188	7080731	1080983	---	---	---	1,20	up
5675195	7084999	1090714	---	---	---	1,00	up
5675271	7093936	1112480	---	---	---	1,02	up
5675479	7034756	973237	---	---	---	1,23	up
5675536	7031774	964765	---	---	---	1,02	up
5675582	7193056	1358267	---	---	---	1,25	down
5675622	7273251	1555957	---	---	---	1,74	up
5675875	7226241	1437802	---	---	---	1,07	down
5675877	7302786	1628860	---	---	---	2,92	down
5675953	7156052	1265776	---	---	---	1,31	down
5676003	7075424	1069292	---	---	---	1,21	up
5676106	7307424	1641140	---	---	---	1,47	down
5676173	7303616	1631337	---	---	---	1,01	down
5676227	7041609	989583	---	---	---	1,16	up
5676423	7174149	1310502	---	---	---	1,05	down

5676560	7236358	1464255	---	---	---	1,18	down
5676649	7180943	1327442	---	---	---	1,38	up
5676812	7350181	1745386	---	---	---	1,04	up
5676837	7039223	983566	---	---	---	1,36	down
5676908	7211363	1402050	---	---	---	1,01	up
5676973	7031774	964724	---	---	---	1,15	up
5677097	7338807	1716790	---	---	---	1,17	down
5677337	7285688	1586193	---	---	---	1,08	up
5677349	7193056	1358259	---	---	---	1,04	down
5677380	7329135	1693483	---	---	---	1,20	down
5677483	7299512	1620553	---	---	---	1,17	down
5677517	7261768	1527177	---	---	---	2,61	up
5677562	7058813	1028898	---	---	---	1,03	down
5677629	7340838	1722048	---	---	---	1,48	down
5677741	7333100	1702831	---	---	---	1,12	up
5677812	7197056	1367845	---	---	---	1,15	up
5677832	7096859	1119323	---	---	---	1,37	up
5677841	7198210	1371010	---	---	---	1,17	down
5677875	7307424	1641142	---	---	---	1,11	up
5677905	7303616	1631387	---	---	---	1,15	up
5678083	7098810	1124647	---	---	---	1,15	up
5678096	7351951	1749855	---	---	---	1,08	down
5678112	7038316	981461	---	---	---	1,17	down
5678200	7049689	1008893	---	---	---	1,14	up
5678399	7368004	1789332	---	---	---	1,74	up
5678491	7102976	1135051	---	---	---	1,19	down
5678554	7291054	1599393	---	---	---	1,03	down
5678662	7053874	1018328	---	---	---	1,00	up
5678774	7319937	1672285	---	---	---	1,36	down
5678808	7175368	1313287	---	---	---	1,20	up
5678818	7331434	1699214	---	---	---	1,04	down
5678826	7142081	1230986	---	---	---	1,15	up
5678837	7197056	1367840	---	---	---	1,07	up
5678839	7229886	1447163	---	---	---	1,04	up
5678916	7337224	1712629	---	---	---	1,20	down
5678952	7349817	1744645	---	---	---	1,66	down
5678953	7336727	1711290	---	---	---	1,50	up
5678964	7287222	1589717	---	---	---	1,38	up
5678987	7280743	1574534	---	---	---	1,28	down
5679062	7364346	1780013	---	---	---	1,89	down
5679277	7025652	950302	---	---	---	1,02	down
5679298	7097680	1121715	---	---	---	1,14	down
5679388	7049689	1008888	---	---	---	1,31	down
5679394	7258520	1518879	---	---	---	1,11	down
5679433	7378997	1818662	---	---	---	1,07	down
5679471	7180861	1327223	---	---	---	1,20	down
5679544	7087805	1097502	---	---	---	1,21	down
5679647	7303616	1631311	---	---	---	1,10	down
5679747	7049399	1008364	---	---	---	1,10	up
5679801	7038610	982074	---	---	---	1,27	up
5679809	7132125	1206635	---	---	---	1,02	down
5679824	7160402	1276157	---	---	---	1,03	up
5679845	7233359	1456510	---	---	---	1,17	up
5679856	7286807	1588844	---	---	---	1,35	up
5679921	7338101	1715192	---	---	---	1,08	down
5679959	7240569	1475462	---	---	---	1,07	up

5680012	7169732	1298774	---	---	---	1,19	up
5680022	7047865	1005353	---	---	---	1,12	up
5680120	7258546	1518984	---	---	---	1,06	down
5680176	7303616	1631390	---	---	---	1,01	down
5680303	7337224	1712607	---	---	---	1,22	up
5680368	7071714	1060351	---	---	---	2,42	down
5680385	7374790	1808778	---	---	---	1,12	down
5680436	7031576	964110	---	---	---	1,03	up
5680440	7293454	1604952	---	---	---	1,13	up
5680522	7062173	1037006	---	---	---	1,22	down
5680585	7129688	1200558	---	---	---	1,23	down
5680674	7207069	1392020	---	---	---	1,52	down
5680693	7033504	969858	---	---	---	1,23	down
5680704	7068942	1053376	---	---	---	1,02	up
5680724	7330396	1696344	---	---	---	1,26	down
5680845	7321414	1675633	---	---	---	1,32	down
5680939	7233425	1456778	---	---	---	1,18	down
5681054	7239752	1473189	---	---	---	1,05	up
5681078	7247228	1490513	---	---	---	1,01	down
5681097	7206133	1389963	---	---	---	1,23	up
5681203	7031576	964108	---	---	---	1,44	down
5681403	7350237	1745495	---	---	---	1,09	down
5681426	7142081	1230985	---	---	---	1,16	up
5681463	7118356	1173172	---	---	---	1,20	down
5681586	7090278	1104073	---	---	---	1,03	up
5681597	7328920	1693021	---	---	---	1,05	down
5681613	7237438	1466792	---	---	---	1,02	down
5681618	7169599	1298443	---	---	---	1,21	up
5681788	7234195	1458974	---	---	---	1,11	up
5681871	7303616	1631396	---	---	---	1,18	down
5681885	7240569	1475524	---	---	---	1,13	up
5681963	7056304	1023548	---	---	---	1,08	up
5681987	7340990	1722516	---	---	---	1,04	up
5682016	7337260	1712809	---	---	---	1,22	down
5682084	7312566	1653299	---	---	---	1,63	down
5682087	7065266	1044585	---	---	---	1,12	up
5682105	7206133	1389980	---	---	---	1,08	down
5682220	7098867	1124947	---	---	---	1,14	down
5682260	7239939	1473794	---	---	---	1,35	down
5682299	7342959	1727346	---	---	---	1,16	up
5682317	7336931	1711874	---	---	---	1,00	up
5682400	7061003	1033923	---	---	---	2,33	down
5682476	7293757	1605693	---	---	---	1,18	up
5682529	7073854	1065631	---	---	---	1,08	down
5682594	7245695	1487064	---	---	---	1,01	down
5682606	7175368	1313286	---	---	---	1,18	down
5682783	7211363	1402037	---	---	---	1,24	up
5682831	7231775	1452123	---	---	---	1,11	up
5682834	7225553	1435984	---	---	---	1,35	up
5682884	7156978	1268180	---	---	---	1,53	up
5682885	7137646	1220430	---	---	---	2,08	down
5683022	7031576	964103	---	---	---	1,09	up
5683240	7243253	1481232	---	---	---	1,07	up
5683352	7168914	1297026	---	---	---	1,37	up
5683686	7261768	1527178	---	---	---	1,71	up
5683695	7367969	1789104	---	---	---	1,90	down

5683808	7236492	1464531	---	---	---	2,45	up
5683810	7033541	969985	---	---	---	1,28	up
5683904	7039308	983921	---	---	---	1,04	down
5683951	7199341	1374164	---	---	---	1,01	up
5684002	7225553	1435989	---	---	---	1,17	up
5684159	7365183	1781911	---	---	---	1,19	up
5684204	7170764	1301490	---	---	---	1,06	down
5684347	7226241	1437812	---	---	---	1,36	down
5684356	7367946	1788963	---	---	---	1,14	down
5684402	7248790	1494534	---	---	---	1,27	up
5684410	7088489	1099525	---	---	---	1,97	down
5684426	7198210	1370956	---	---	---	1,01	down
5684507	7325674	1685223	---	---	---	1,03	down
5684518	7200545	1376910	---	---	---	2,28	up
5684818	7167823	1293895	---	---	---	1,13	down
5684864	7041609	989563	---	---	---	1,33	up
5684915	7343122	1727734	---	---	---	1,19	up
5684981	7099517	1126495	---	---	---	2,67	up
5684995	7031618	964198	---	---	---	1,60	up
5685078	7185622	1339212	---	---	---	1,04	down
5685230	7067212	1049200	---	---	---	1,09	up
5685443	7117526	1171003	---	---	---	1,99	up
5685462	7141421	1229478	---	---	---	1,06	down
5685502	7101400	1130911	---	---	---	1,03	up
5685560	7226241	1437782	---	---	---	1,01	up
5685566	7031774	964761	---	---	---	1,20	down
5685704	7140113	1226047	---	---	---	1,50	down
5685729	7062436	1037668	---	---	---	1,15	down
5685762	7217747	1417469	---	---	---	1,28	up
5685831	7297274	1614569	---	---	---	1,09	down
5685838	7224166	1432705	---	---	---	1,39	down
5686209	7373417	1805089	---	---	---	1,14	up
5686213	7127540	1195285	---	---	---	1,09	up
5686223	7360486	1770943	---	---	---	1,02	up
5686306	7162144	1280492	---	---	---	1,34	down
5686384	7292517	1602553	---	---	---	1,47	down
5686407	7103811	1137056	---	---	---	1,64	up
5686457	7365093	1781619	---	---	---	1,08	down
5686475	7039265	983649	---	---	---	1,25	up
5686501	7174149	1310526	---	---	---	1,16	up
5686605	7240569	1475482	---	---	---	1,56	down
5686609	7112225	1157552	---	---	---	1,40	up
5686674	7339379	1718361	---	---	---	1,18	down
5686873	7031774	964781	---	---	---	1,29	down
5686985	7240569	1475313	---	---	---	1,10	up
5687012	7145669	1239998	---	---	---	1,56	up
5687078	7261592	1526839	---	---	---	1,08	up
5687234	7320337	1673312	---	---	---	1,08	down
5687284	7099449	1126374	---	---	---	2,52	up
5687338	7127540	1195290	---	---	---	1,14	down
5687392	7330396	1696365	---	---	---	1,22	down
5687635	7067670	1050364	---	---	---	1,03	down
5687645	7027795	956270	---	---	---	1,52	up
5687751	7092549	1109148	---	---	---	1,19	up
5688065	7280743	1574494	---	---	---	1,17	down
5688131	7097525	1121067	---	---	---	1,86	down

5688307	7217269	1415905	---	---	---	2,72	down
5688423	7096924	1119616	---	---	---	1,11	down
5688554	7193644	1359709	---	---	---	1,11	up
5688767	7292517	1602527	---	---	---	1,15	up
5688861	7065265	1044569	---	---	---	1,16	down
5688910	7052385	1014773	---	---	---	1,01	down
5688949	7111573	1156034	---	---	---	1,06	up
5689023	7076160	1070930	---	---	---	1,26	up
5689239	7062173	1037017	---	---	---	1,09	up
5689272	7052813	1015906	---	---	---	1,28	up
5689386	7161841	1279878	---	---	---	1,62	up
5689479	7034293	971951	---	---	---	1,47	down
5689485	7097680	1121743	---	---	---	1,16	up
5689508	7367971	1789109	---	---	---	1,02	up
5689530	7127540	1195296	---	---	---	1,32	down
5689854	7123421	1185811	---	---	---	1,10	down
5689867	7186464	1341370	---	---	---	1,03	up
5690219	7363765	1778585	---	---	---	1,33	up
5690227	7303616	1631370	---	---	---	1,08	up
5690461	7132125	1206625	---	---	---	1,03	up
5690517	7067670	1050365	---	---	---	1,88	down
5690553	7070461	1057366	---	---	---	2,99	down
5690615	7123421	1185845	---	---	---	1,05	up
5690621	7054147	1018977	---	---	---	1,24	up
5690647	7075424	1069303	---	---	---	1,22	down
5690888	7097680	1121745	---	---	---	1,09	up
5690911	7148978	1248473	---	---	---	1,34	up
5690937	7257976	1517711	---	---	---	1,27	up
5690977	7099030	1125338	---	---	---	1,75	down
5691037	7129696	1200588	---	---	---	1,09	up
5691056	7217747	1417491	---	---	---	1,22	up
5691127	7086664	1094265	---	---	---	1,18	up
5691203	7108300	1147910	---	---	---	1,13	down
5691207	7376566	1812884	---	---	---	1,03	down
5691274	7040260	986044	---	---	---	1,03	up
5691322	7274780	1559185	---	---	---	1,08	down
5691330	7240569	1475394	---	---	---	1,03	up
5691365	7243653	1482522	---	---	---	1,17	down
5691435	7360486	1770977	---	---	---	1,06	down
5691469	7096924	1119625	---	---	---	1,11	up
5691486	7288095	1592050	---	---	---	1,27	up
5691678	7248004	1492580	---	---	---	1,07	up
5691819	7036412	976864	---	---	---	1,16	down
5691839	7203872	1384780	---	---	---	1,12	up
5691841	7131360	1204990	---	---	---	1,24	up
5691901	7049399	1008388	---	---	---	1,07	down
5691922	7142416	1231800	---	---	---	1,43	up
5691947	7102510	1133876	---	---	---	1,17	up
5692002	7271128	1550321	---	---	---	1,18	down
5692040	7293234	1604335	---	---	---	1,14	down
5692074	7181016	1327791	---	---	---	2,06	up
5692115	7213908	1407652	---	---	---	1,16	up
5692280	7049399	1008389	---	---	---	1,09	up
5692312	7186464	1341365	---	---	---	1,22	up
5692516	7248790	1494509	---	---	---	1,57	down
5692544	7139708	1225055	---	---	---	1,20	up

5692621	7316644	1664027	---	---	---	1,24	up
5692666	7050557	1010791	---	---	---	1,44	up
5692836	7243647	1482470	---	---	---	1,15	up
5692854	7149008	1248599	---	---	---	1,26	down
5692881	7088135	1098419	---	---	---	1,51	down
5692885	7101258	1130577	---	---	---	1,41	up
5692920	7330396	1696336	---	---	---	1,08	up
5693129	7271128	1550314	---	---	---	1,18	up
5693220	7086751	1094622	---	---	---	1,12	up
5693323	7337522	1713620	---	---	---	1,87	down
5693354	7213679	1407132	---	---	---	2,09	down
5693402	7064220	1041739	---	---	---	1,52	down
5693438	7350489	1746116	---	---	---	1,13	up
5693466	7108300	1147916	---	---	---	1,35	up
5693468	7142416	1231800	---	---	---	1,22	up
5693669	7065655	1045240	---	---	---	1,01	down
5693681	7049399	1008389	---	---	---	1,03	down
5693751	7372840	1803770	---	---	---	1,19	down
5693849	7112562	1158605	---	---	---	1,66	down
5693874	7115880	1166822	---	---	---	1,01	up
5693882	7068853	1053100	---	---	---	1,00	up
5693917	7218259	1418786	---	---	---	1,37	up
5693920	7167507	1293115	---	---	---	1,39	down
5693923	7034293	971996	---	---	---	1,05	up
5693951	7289382	1595183	---	---	---	1,27	up
5694228	7289909	1596507	---	---	---	1,01	up
5694350	7059020	1029340	---	---	---	1,50	up
5694436	7031774	964706	---	---	---	1,17	up
5694457	7103811	1137052	---	---	---	1,42	up
5694577	7146093	1240932	---	---	---	1,13	up
5694731	7050930	1011626	---	---	---	1,12	down
5694811	7138131	1221463	---	---	---	1,32	down
5694844	7189689	1349042	---	---	---	1,46	up
5694876	7082098	1084117	---	---	---	1,27	down
5694935	7244290	1484159	---	---	---	1,01	up
5695102	7378997	1818666	---	---	---	1,19	down
5695133	7148978	1248533	---	---	---	1,17	down
5695305	7188829	1346661	---	---	---	1,08	down
5695349	7228530	1443791	---	---	---	1,14	up
5695391	7329135	1693495	---	---	---	1,14	up
5695401	7234195	1458981	---	---	---	1,04	down
5695417	7279568	1572021	---	---	---	1,28	up
5695491	7115880	1166831	---	---	---	1,04	up
5695524	7080106	1079717	---	---	---	1,04	up
5695551	7104977	1140174	---	---	---	1,21	down
5695699	7059449	1030305	---	---	---	1,30	up
5695763	7249388	1495899	---	---	---	1,32	down
5695954	7190844	1352153	---	---	---	1,24	up
5696064	7311218	1650358	---	---	---	1,12	down
5696170	7196508	1366725	---	---	---	1,01	up
5696263	7182713	1332554	---	---	---	1,17	up
5696278	7217650	1417189	---	---	---	1,31	down
5696554	7239752	1473183	---	---	---	1,33	up
5696594	7248790	1494543	---	---	---	1,38	down
5696749	7361420	1773057	---	---	---	1,09	up
5696819	7127540	1195289	---	---	---	1,30	up

5696955	7351951	1749822	---	---	---	1,07	down
5697072	7088489	1099528	---	---	---	1,04	down
5697205	7084193	1089067	---	---	---	1,47	up
5697220	7212718	1404941	---	---	---	1,10	up
5697264	7316644	1664016	---	---	---	1,01	up
5697272	7075096	1068575	---	---	---	2,39	down
5697355	7249503	1496220	---	---	---	1,23	down
5697367	7053874	1018336	---	---	---	1,20	down
5697599	7199476	1374567	---	---	---	1,03	down
5697671	7341546	1723950	---	---	---	2,04	down
5697731	7218728	1419923	---	---	---	1,11	up
5697768	7292657	1602839	---	---	---	1,31	up
5697813	7146245	1241377	---	---	---	1,00	up
5698017	7233921	1458159	---	---	---	4,44	down
5698261	7293049	1603879	---	---	---	1,38	up
5698313	7083030	1086257	---	---	---	1,17	up
5698359	7344406	1731192	---	---	---	1,11	up
5698410	7141061	1228649	---	---	---	1,23	up
5698457	7095475	1116050	---	---	---	1,06	down
5698604	7344836	1732409	---	---	---	1,14	up
5698691	7191594	1354232	---	---	---	2,74	up
5698807	7030863	962597	---	---	---	1,37	up
5698959	7083030	1086251	---	---	---	1,82	down
5698981	7065265	1044557	---	---	---	1,13	down
5699101	7239752	1473185	---	---	---	1,40	down
5699122	7025652	950298	---	---	---	2,29	up
5699151	7120039	1177489	---	---	---	1,25	up
5699268	7292657	1602839	---	---	---	1,21	down
5699454	7189689	1349041	---	---	---	1,01	up
5699689	7030863	962594	---	---	---	1,26	up
5699727	7337260	1712801	---	---	---	1,49	down
5699801	7321414	1675625	---	---	---	1,57	down
5699810	7031774	964724	---	---	---	1,19	down
5699829	7291054	1599398	---	---	---	1,81	up
5699918	7199476	1374550	---	---	---	1,10	up
5700065	7378997	1818650	---	---	---	1,52	up
5700188	7088164	1098482	---	---	---	1,35	up
5700240	7326612	1687192	---	---	---	1,41	down
5700331	7043379	993619	---	---	---	1,04	down
5700362	7312575	1653352	---	---	---	1,02	up
5700388	7249503	1496218	---	---	---	1,02	down
5700421	7365183	1781904	---	---	---	1,17	down
5700486	7373678	1805858	---	---	---	1,07	down
5700545	7065266	1044593	---	---	---	1,28	up
5700592	7354688	1756376	---	---	---	1,10	up
5700670	7032083	965661	---	---	---	1,03	up
5700767	7350993	1747504	---	---	---	1,07	up
5700784	7075445	1069341	---	---	---	1,06	down
5700823	7247229	1490539	---	---	---	1,40	down
5700920	7144389	1236778	---	---	---	2,12	down
5700964	7097680	1121715	---	---	---	1,19	down
5700979	7234008	1458358	---	---	---	2,42	up
5701006	7133612	1210199	---	---	---	2,00	down
5701043	7139026	1223498	---	---	---	1,09	up
5701073	7243603	1482289	---	---	---	1,19	down
5701114	7373417	1805096	---	---	---	1,11	up

5701142	7260613	1524272	---	---	---	1,21	down
5701177	7248964	1494943	---	---	---	1,12	down
5701188	7274593	1558817	---	---	---	1,10	up
5701247	7359551	1768623	---	---	---	1,72	up
5701267	7181105	1327967	---	---	---	1,19	down
5701335	7279499	1571829	---	---	---	2,28	down
5701502	7238202	1468956	---	---	---	1,04	down
5701585	7248964	1494939	---	---	---	1,19	up
5701670	7232029	1452771	---	---	---	1,57	up
5701701	7132024	1206342	---	---	---	1,01	up
5701746	7311218	1650350	---	---	---	2,20	up
5701801	7038530	981873	---	---	---	1,33	up
5701897	7231152	1450262	---	---	---	2,02	up
5701904	7098810	1124645	---	---	---	1,06	down
5701952	7371682	1800775	---	---	---	1,50	down
5702010	7242490	1479427	---	---	---	1,39	down
5702066	7132024	1206337	---	---	---	1,49	down
5702072	7357890	1764388	---	---	---	1,24	up
5702147	7349817	1744599	---	---	---	1,14	up
5702226	7341253	1723267	---	---	---	1,07	down
5702287	7368006	1789353	---	---	---	1,00	down
5702339	7243653	1482523	---	---	---	2,33	down
5702388	7138047	1221245	---	---	---	1,07	up
5702457	7052331	1014567	---	---	---	1,27	up
5702470	7281507	1576701	---	---	---	1,01	up
5702501	7098366	1123617	---	---	---	1,14	down
5702547	7240569	1475323	---	---	---	1,57	down
5702579	7190524	1351184	---	---	---	1,03	up
5702679	7357813	1764112	---	---	---	1,11	up
5702709	7274780	1559226	---	---	---	1,11	up
5702750	7275927	1562389	---	---	---	1,51	down
5702782	7097680	1121740	---	---	---	1,40	up
5702829	7281507	1576663	---	---	---	1,18	down
5702844	7281494	1576596	---	---	---	1,21	down
5702856	7345465	1733819	---	---	---	1,18	down
5702894	7099156	1125641	---	---	---	1,27	down
5702953	7025652	950243	---	---	---	1,05	down
5703017	7360325	1770516	---	---	---	1,21	up
5703056	7156052	1265754	---	---	---	1,43	down
5703067	7033616	970211	---	---	---	1,28	down
5703120	7263652	1531626	---	---	---	1,47	up
5703246	7354688	1756374	---	---	---	1,02	down
5703310	7087965	1098050	---	---	---	1,29	up
5703395	7068259	1051631	---	---	---	1,26	down
5703626	7340990	1722505	---	---	---	1,21	up
5703833	7243130	1480892	---	---	---	1,07	down
5704065	7368986	1792855	---	---	---	2,71	down
5704131	7321029	1674806	---	---	---	1,26	up
5704188	7150631	1252171	---	---	---	1,18	up
5704194	7226241	1437812	---	---	---	1,17	up
5704213	7321414	1675629	---	---	---	1,23	up
5704339	7059449	1030303	---	---	---	1,01	down
5704383	7033504	969848	---	---	---	1,03	down
5704405	7180620	1326403	---	---	---	1,07	down
5704437	7070616	1057767	---	---	---	1,24	up
5704570	7153571	1259033	---	---	---	1,52	up

5704629	7059020	1029332	---	---	---	1,38	down
5704637	7086664	1094287	---	---	---	1,41	up
5704643	7041609	989584	---	---	---	1,05	up
5704749	7369781	1795035	---	---	---	1,30	down
5704898	7236358	1464246	---	---	---	1,23	up
5704908	7179859	1324617	---	---	---	2,64	down
5705097	7025652	950347	---	---	---	1,11	down
5705130	7075424	1069303	---	---	---	1,04	down
5705340	7117526	1171034	---	---	---	1,18	up
5705367	7088164	1098484	---	---	---	1,77	down
5705558	7316644	1664007	---	---	---	1,21	up
5705654	7297589	1615605	---	---	---	1,36	up
5705698	7027759	956132	---	---	---	1,26	down
5705713	7181016	1327782	---	---	---	1,20	down
5705746	7291054	1599396	---	---	---	1,09	down
5705938	7068259	1051633	---	---	---	1,24	up
5706169	7345465	1733851	---	---	---	1,06	up
5706273	7076160	1070882	---	---	---	1,34	up
5706319	7231775	1452122	---	---	---	1,17	up
5706519	7196029	1365627	---	---	---	1,22	down
5706592	7170764	1301477	---	---	---	1,44	up
5706598	7181016	1327790	---	---	---	1,26	down
5706773	7217650	1417176	---	---	---	1,60	down
5706813	7373678	1805858	---	---	---	1,19	down
5706839	7181026	1327845	---	---	---	1,90	down
5706945	7127540	1195291	---	---	---	1,35	up
5706963	7078666	1076505	---	---	---	1,18	up
5707275	7378878	1818321	---	---	---	1,20	up
5707281	7237719	1467514	---	---	---	1,03	up
5707286	7162144	1280511	---	---	---	1,56	up
5707305	7092549	1109132	---	---	---	1,01	down
5707462	7143455	1234723	---	---	---	1,41	up
5707516	7274780	1559221	---	---	---	1,36	up
5707565	7344702	1732141	---	---	---	1,27	down
5707779	7281507	1576717	---	---	---	1,42	down
5707810	7052331	1014567	---	---	---	1,89	down
5707834	7281950	1577792	---	---	---	1,31	up
5707853	7240569	1475376	---	---	---	1,14	down
5707925	7073673	1065080	---	---	---	1,40	up
5707968	7331829	1700183	---	---	---	1,39	down
5708008	7033672	970364	---	---	---	1,07	up
5708031	7338101	1715191	---	---	---	1,12	down
5708192	7329513	1694277	---	---	---	1,10	up
5708276	7050167	1009828	---	---	---	1,00	up
5708375	7033504	969858	---	---	---	1,04	down
5708380	7330181	1695695	---	---	---	1,48	down
5708428	7297274	1614630	---	---	---	1,20	down
5708503	7071616	1060070	---	---	---	1,36	down
5708641	7334347	1705758	---	---	---	1,07	down
5708652	7065110	1044147	---	---	---	1,34	up
5708799	7350993	1747546	---	---	---	1,05	up
5708899	7235521	1462140	---	---	---	1,14	up
5708953	7255522	1511384	---	---	---	1,17	up
5708955	7382452	1826172	---	---	---	2,37	up
5709036	7269314	1545625	---	---	---	1,26	down
5709099	7088135	1098402	---	---	---	1,15	down

5709345	7059020	1029345	---	---	---	1,06	up
5709431	7192307	1356003	---	---	---	1,92	down
5709447	7167823	1293862	---	---	---	1,81	up
5709459	7098451	1123810	---	---	---	1,00	down
5709468	7327169	1688467	---	---	---	1,05	down
5709632	7161300	1278548	---	---	---	1,13	up
5709840	7063515	1039668	---	---	---	1,85	down
5709843	7217650	1417171	---	---	---	1,39	up
5709965	7029078	958875	---	---	---	1,18	down
5709977	7093936	1112475	---	---	---	1,39	down
5710028	7312942	1654173	---	---	---	1,14	down
5710058	7341546	1723943	---	---	---	1,17	up
5710086	7305674	1636823	---	---	---	1,13	down
5710183	7359460	1768471	---	---	---	1,23	up
5710191	7351951	1749851	---	---	---	1,23	down
5710308	7071969	1060894	---	---	---	1,08	up
5710355	7181193	1328292	---	---	---	2,06	down
5710364	7092965	1110190	---	---	---	1,29	up
5710418	7099573	1126738	---	---	---	1,07	down
5710915	7196029	1365624	---	---	---	1,00	up
5710932	7280743	1574536	---	---	---	1,05	down
5711041	7266838	1539001	---	---	---	1,59	down
5711217	7145669	1240004	---	---	---	1,08	down
5711234	7339387	1718377	---	---	---	1,20	down
5711259	7139026	1223497	---	---	---	1,17	down
5711282	7052813	1015920	---	---	---	1,10	up
5711289	7235521	1462163	---	---	---	1,00	down
5711311	7117526	1171033	---	---	---	1,06	up
5711318	7231152	1450258	---	---	---	1,37	up
5711368	7226241	1437799	---	---	---	1,23	up
5711376	7156052	1265763	---	---	---	1,23	up
5711443	7341253	1723310	---	---	---	2,02	up
5711492	7064468	1042376	---	---	---	1,53	down
5711867	7319151	1670111	---	---	---	2,05	up
5711945	7162959	1282085	---	---	---	1,12	up
5712033	7200545	1376913	---	---	---	2,28	up
5712104	7062436	1037670	---	---	---	2,30	down
5712435	7291853	1600989	---	---	---	1,17	down
5712443	7217143	1415616	---	---	---	1,51	down
5712452	7274892	1559570	---	---	---	1,32	up
5712458	7032083	965697	---	---	---	1,04	up
5712562	7156052	1265784	---	---	---	1,48	up
5712571	7293757	1605679	---	---	---	1,16	up
5712597	7179914	1324713	---	---	---	1,05	up
5712698	7083031	1086289	---	---	---	1,12	down
5712704	7099449	1126374	---	---	---	1,12	up
5712802	7360486	1770988	---	---	---	1,01	up
5712822	7211389	1402121	---	---	---	1,35	down
5713174	7293234	1604353	---	---	---	1,48	down
5713184	7148978	1248456	---	---	---	2,13	down
5713268	7075424	1069301	---	---	---	2,17	down
5713318	7031774	964728	---	---	---	1,50	up
5713348	7199476	1374535	---	---	---	1,10	up
5713377	7241163	1476824	---	---	---	1,78	down
5713409	7078273	1075821	---	---	---	1,42	up
5713417	7142081	1230952	---	---	---	1,14	up

5713424	7096924	1119603	---	---	---	1,31	down
5713427	7033337	969497	---	---	---	1,37	up
5713439	7342959	1727348	---	---	---	1,30	up
5713510	7213908	1407762	---	---	---	1,20	down
5713515	7301140	1624575	---	---	---	1,33	down
5713710	7286807	1588825	---	---	---	1,03	down
5713742	7111066	1154951	---	---	---	2,67	down
5713773	7297589	1615687	---	---	---	1,35	down
5713811	7244290	1484158	---	---	---	1,12	down
5713863	7047524	1004655	---	---	---	1,13	down
5713906	7352152	1750335	---	---	---	2,16	up
5713941	7337224	1712610	---	---	---	1,63	up
5713994	7256191	1512879	---	---	---	1,12	up
5714074	7351951	1749842	---	---	---	1,02	up
5714136	7330078	1695458	---	---	---	1,54	down
5714344	7337845	1714331	---	---	---	1,05	up
5714634	7065655	1045273	---	---	---	1,37	down
5714655	7287222	1589725	---	---	---	1,10	up
5714732	7330396	1696371	---	---	---	1,02	up
5714754	7342959	1727335	---	---	---	1,10	down
5714801	7148978	1248463	---	---	---	1,09	down
5714845	7063873	1040648	---	---	---	2,07	down
5714869	7243653	1482520	---	---	---	1,02	down
5714944	7053874	1018312	---	---	---	1,01	down
5715056	7210263	1399767	---	---	---	1,15	down
5715070	7261668	1526982	---	---	---	2,20	down
5715196	7131360	1204984	---	---	---	2,42	down
5715277	7334331	1705688	---	---	---	1,33	up
5715386	7053874	1018313	---	---	---	1,07	down
5715421	7206133	1389968	---	---	---	1,35	down
5715501	7254040	1507594	---	---	---	1,04	down
5715521	7261592	1526856	---	---	---	2,17	up
5715585	7312621	1653459	---	---	---	1,05	up
5715617	7343122	1727744	---	---	---	1,73	down
5715733	7243130	1480913	---	---	---	1,13	up
5715735	7380497	1821865	---	---	---	1,48	up
5715786	7062173	1036995	---	---	---	1,79	up
5715800	7052813	1015918	---	---	---	1,26	down
5715820	7127540	1195284	---	---	---	1,13	down
5715926	7239939	1473794	---	---	---	1,37	up
5715928	7355220	1758099	---	---	---	1,07	down
5715990	7339379	1718340	---	---	---	1,90	down
5716002	7294264	1606845	---	---	---	1,10	down
5716108	7251608	1501464	---	---	---	2,13	down
5716115	7368986	1792880	---	---	---	1,63	down
5716163	7032444	966736	---	---	---	1,30	down
5716264	7113483	1161006	---	---	---	1,09	down
5716453	7356027	1759977	---	---	---	1,50	up
5716615	7243130	1480830	---	---	---	1,18	up
5716618	7280743	1574486	---	---	---	1,98	up
5716698	7196029	1365616	---	---	---	3,00	down
5716715	7111066	1154964	---	---	---	1,28	up
5716841	7240569	1475448	---	---	---	1,13	down
5716871	7198210	1371009	---	---	---	2,16	down
5716888	7341546	1723973	---	---	---	1,04	down
5717081	7067828	1050798	---	---	---	1,11	up

5717283	7047524	1004666	---	---	---	1,18	up
5717491	7230886	1449527	---	---	---	1,18	up
5717493	7087492	1096688	---	---	---	1,64	up
5717502	7040260	986085	---	---	---	2,70	up
5717512	7115880	1166836	---	---	---	1,28	down
5717523	7112566	1158635	---	---	---	1,44	up
5717614	7053874	1018318	---	---	---	1,02	up
5717664	7276231	1563100	---	---	---	1,03	down
5717701	7236492	1464559	---	---	---	1,02	up
5717714	7206133	1389977	---	---	---	1,19	down
5717765	7071264	1059296	---	---	---	2,03	up
5717781	7294264	1606853	---	---	---	1,01	down
5717800	7358048	1764817	---	---	---	1,21	down
5717815	7112225	1157547	---	---	---	1,37	up
5717901	7331434	1699205	---	---	---	1,19	up
5718030	7156061	1265840	---	---	---	1,19	down
5718204	7059020	1029331	---	---	---	1,32	down
5718213	7047865	1005359	---	---	---	1,24	down
5718296	7108974	1149795	---	---	---	1,08	up
5718310	7148978	1248450	---	---	---	1,42	up
5718373	7131360	1204969	---	---	---	1,75	up
5718457	7193644	1359710	---	---	---	1,24	down
5718479	7367971	1789126	---	---	---	1,05	down
5718503	7230886	1449578	---	---	---	1,10	up
5718619	7189669	1348982	---	---	---	1,46	down
5718665	7115880	1166824	---	---	---	1,05	up
5718743	7203872	1384765	---	---	---	1,26	down
5718767	7328833	1692773	---	---	---	1,06	up
5718913	7115880	1166827	---	---	---	1,30	up
5719053	7377583	1815460	---	---	---	1,18	up
5719110	7108300	1147898	---	---	---	1,06	up
5719468	7156052	1265784	---	---	---	1,07	down
5719503	7056304	1023602	---	---	---	1,02	up
5719533	7332059	1700733	---	---	---	1,07	down
5719578	7193644	1359708	---	---	---	1,12	down
5719650	7180732	1326726	---	---	---	1,03	up
5719688	7269641	1546250	---	---	---	1,52	down
5719742	7384509	1830731	---	---	---	2,79	up
5719825	7182324	1331462	---	---	---	1,08	down
5720121	7186440	1341252	---	---	---	1,20	up
5720298	7131360	1204989	---	---	---	1,60	down
5720414	7200545	1376915	---	---	---	1,29	down
5720447	7142081	1230972	---	---	---	1,06	down
5720479	7025652	950257	---	---	---	1,50	down
5720551	7171525	1303468	---	---	---	1,07	up
5720578	7351951	1749851	---	---	---	1,47	down
5720611	7121866	1181874	---	---	---	1,16	down
5720621	7226241	1437794	---	---	---	1,04	up
5720705	7068853	1053106	---	---	---	1,06	down
5720747	7098810	1124652	---	---	---	1,28	down
5720776	7274892	1559558	---	---	---	1,16	down
5720798	7047865	1005354	---	---	---	1,01	down
5720801	7156978	1268174	---	---	---	1,44	down
5720805	7243653	1482520	---	---	---	1,23	down
5720890	7240206	1474351	---	---	---	1,07	up
5720916	7240206	1474361	---	---	---	1,48	down

5720958	7115880	1166838	---	---	---	1,63	down
5720985	7095021	1115123	---	---	---	2,26	down
5721128	7162177	1280576	---	---	---	1,04	up
5721210	7119930	1177222	---	---	---	1,13	up
5721232	7049399	1008380	---	---	---	1,05	down
5721234	7213908	1407659	---	---	---	1,02	down
5721244	7075424	1069279	---	---	---	1,27	up
5721270	7224166	1432686	---	---	---	1,45	up
5721317	7363568	1778131	---	---	---	1,40	down
5721334	7325674	1685226	---	---	---	1,21	up
5721355	7097680	1121733	---	---	---	2,17	down
5721588	7273251	1555948	---	---	---	1,14	up
5721604	7073854	1065634	---	---	---	1,36	down
5721653	7243647	1482453	---	---	---	1,59	up
5721702	7181193	1328293	---	---	---	2,11	down
5721806	7232340	1453521	---	---	---	1,12	up
5721853	7240569	1475387	---	---	---	1,18	down
5722079	7341646	1724197	---	---	---	1,01	up
5722175	7321414	1675627	---	---	---	1,36	up
5722198	7224035	1432387	---	---	---	1,05	up
5722224	7082098	1084115	---	---	---	1,02	up
5722225	7113483	1161016	---	---	---	1,06	down
5722273	7373678	1805873	---	---	---	1,07	up
5722361	7359551	1768626	---	---	---	1,07	up
5722393	7247229	1490558	---	---	---	1,22	up
5722409	7384365	1830277	---	---	---	1,01	up
5722415	7249503	1496216	---	---	---	1,10	down
5722424	7287238	1589775	---	---	---	1,15	up
5722451	7139708	1225061	---	---	---	1,07	up
5722474	7321414	1675632	---	---	---	1,04	down
5722484	7039589	984514	---	---	---	1,28	down
5722492	7247228	1490511	---	---	---	1,05	up
5722519	7238202	1468953	---	---	---	1,02	down
5722520	7093936	1112462	---	---	---	2,01	down
5722588	7247228	1490524	---	---	---	1,16	up
5722670	7059375	1030077	---	---	---	1,23	down
5722695	7341397	1723626	---	---	---	1,15	down
5722840	7150348	1251434	---	---	---	1,15	down
5722891	7049399	1008335	---	---	---	1,56	down
5723027	7206133	1389969	---	---	---	1,06	down
5723090	7099449	1126383	---	---	---	1,09	down
5723133	7029770	960158	---	---	---	1,10	up
5723144	7032204	966120	---	---	---	1,42	up
5723185	7350237	1745480	---	---	---	1,26	up
5723309	7273744	1556975	---	---	---	1,20	down
5723310	7182713	1332553	---	---	---	1,92	up
5723363	7303616	1631372	---	---	---	1,34	down
5723405	7115362	1165598	---	---	---	1,05	down
5723448	7301140	1624583	---	---	---	1,06	down
5723542	7329135	1693495	---	---	---	2,18	down
5723731	7340506	1721336	---	---	---	1,05	up
5723745	7240569	1475494	---	---	---	1,17	up
5723954	7188829	1346668	---	---	---	1,04	up
5724087	7093936	1112465	---	---	---	1,49	down
5724108	7069830	1055633	---	---	---	1,26	up
5724144	7092406	1108781	---	---	---	1,16	up

5724234	7297274	1614642	---	---	---	1,16	up
5724290	7331434	1699211	---	---	---	1,09	down
5724371	7225304	1435317	---	---	---	1,03	down
5724376	7049399	1008406	---	---	---	1,25	up
5724537	7292100	1601540	---	---	---	1,38	up
5724559	7238202	1468940	---	---	---	1,02	up
5724565	7031774	964707	---	---	---	1,23	up
5724614	7373633	1805696	---	---	---	1,16	down
5724639	7357815	1764147	---	---	---	1,14	up
5724683	7368684	1791854	---	---	---	1,82	up
5724706	7271128	1550314	---	---	---	1,13	down
5724749	7277719	1567093	---	---	---	1,04	up
5724776	7183927	1335497	---	---	---	1,34	down
5724842	7338807	1716793	---	---	---	1,38	down
5724910	7341394	1723613	---	---	---	1,12	up
5725078	7159642	1274219	---	---	---	1,49	down
5725092	7088625	1099875	---	---	---	1,09	up
5725203	7073673	1065088	---	---	---	1,02	up
5725244	7243647	1482476	---	---	---	1,27	up
5725272	7150631	1252165	---	---	---	1,02	up
5725302	7351951	1749825	---	---	---	1,26	up
5725345	7384509	1830741	---	---	---	1,07	up
5725385	7112225	1157531	---	---	---	1,13	down
5725393	7261668	1526983	---	---	---	1,03	down
5725496	7064134	1041445	---	---	---	1,05	down
5725598	7060851	1033429	---	---	---	1,03	down
5725626	7358708	1766593	---	---	---	1,22	up
5725671	7368004	1789335	---	---	---	2,10	down
5725685	7336931	1711853	---	---	---	1,22	up
5725754	7090278	1104136	---	---	---	1,09	up
5725827	7380497	1821867	---	---	---	1,00	up
5725878	7068259	1051614	---	---	---	1,90	down
5725950	7148978	1248510	---	---	---	1,27	up
5725971	7236254	1464064	---	---	---	1,09	up
5725975	7375958	1811479	---	---	---	3,42	up
5726007	7168519	1295878	---	---	---	1,71	down
5726022	7192696	1357177	---	---	---	1,14	down
5726218	7159027	1272743	---	---	---	1,03	down
5726230	7148978	1248484	---	---	---	1,61	up
5726261	7364346	1780012	---	---	---	1,19	up
5726287	7294264	1606844	---	---	---	1,04	up
5726438	7369712	1794830	---	---	---	1,33	up
5726444	7133612	1210204	---	---	---	1,21	up
5726476	7257963	1517683	---	---	---	1,30	up
5726611	7279793	1572538	---	---	---	1,24	down
5726629	7363674	1778450	---	---	---	1,38	down
5726713	7033672	970352	---	---	---	1,41	up
5726724	7028624	957992	---	---	---	1,35	down
5726748	7351951	1749819	---	---	---	1,18	up
5726759	7331297	1698808	---	---	---	1,47	up
5726789	7105814	1141774	---	---	---	1,06	up
5726805	7238826	1470532	---	---	---	2,10	down
5726975	7059449	1030305	---	---	---	1,10	up
5726977	7297589	1615687	---	---	---	1,22	up
5727210	7240665	1475821	---	---	---	2,58	down
5727334	7274780	1559225	---	---	---	1,52	up

5727400	7193644	1359709	---	---	---	1,39	up
5727420	7095021	1115133	---	---	---	1,20	up
5727442	7370412	1796840	---	---	---	1,06	down
5727454	7363576	1778195	---	---	---	1,09	up
5727491	7238202	1468954	---	---	---	1,61	up
5727553	7068853	1053112	---	---	---	2,41	down
5727721	7067670	1050319	---	---	---	1,03	up
5727754	7162144	1280512	---	---	---	1,04	up
5727873	7047865	1005354	---	---	---	1,79	down
5727944	7339379	1718353	---	---	---	1,06	up
5728034	7132125	1206634	---	---	---	1,08	down
5728271	7367990	1789220	---	---	---	1,00	down
5728300	7281923	1577692	---	---	---	1,01	up
5728346	7189689	1349028	---	---	---	1,44	up
5728448	7196803	1367334	---	---	---	2,22	up
5728499	7028624	958002	---	---	---	2,63	down
5728584	7322260	1677067	---	---	---	1,14	down
5728852	7170764	1301485	---	---	---	1,06	down
5728866	7193644	1359710	---	---	---	2,52	up
5729003	7038969	982976	---	---	---	1,34	down
5729034	7297589	1615604	---	---	---	1,06	down
5729198	7341002	1722541	---	---	---	1,40	up
5729208	7115362	1165598	---	---	---	1,01	down
5729235	7374842	1808974	---	---	---	2,41	down
5729312	7321029	1674805	---	---	---	1,36	up
5729384	7297589	1615615	---	---	---	1,23	down
5729456	7061367	1034849	---	---	---	1,30	up
5729507	7203872	1384776	---	---	---	1,24	up
5729611	7248790	1494546	---	---	---	1,31	up
5729614	7337522	1713595	---	---	---	1,67	down
5729760	7287222	1589726	---	---	---	1,18	down
5729816	7069830	1055623	---	---	---	1,13	up
5729987	7119930	1177226	---	---	---	1,04	down
5730113	7273251	1555960	---	---	---	1,30	down
5730118	7361223	1772612	---	---	---	1,13	up
5730133	7341253	1723316	---	---	---	1,00	down
5730172	7329135	1693494	---	---	---	1,39	down
5730206	7253088	1505112	---	---	---	1,03	up
5730281	7253088	1505114	---	---	---	1,29	up
5730569	7054958	1020580	---	---	---	1,62	up
5730605	7141421	1229477	---	---	---	1,20	up
5730678	7062173	1037018	---	---	---	2,06	down
5730881	7258520	1518878	---	---	---	1,00	down
5730894	7059020	1029351	---	---	---	1,10	down
5730924	7059766	1030980	---	---	---	1,42	up
5730929	7115362	1165598	---	---	---	1,24	down
5730951	7211363	1402042	---	---	---	1,05	down
5731011	7036870	977870	---	---	---	2,25	down
5731037	7176409	1315677	---	---	---	1,16	up
5731038	7188138	1345000	---	---	---	1,24	up
5731039	7279568	1572008	---	---	---	1,01	up
5731164	7326612	1687200	---	---	---	1,11	down
5731243	7083030	1086249	---	---	---	1,20	down
5731265	7176177	1315144	---	---	---	1,16	down
5731292	7359426	1768356	---	---	---	1,87	up
5731346	7243628	1482390	---	---	---	1,14	down

5731565	7087965	1098058	---	---	---	1,14	down
5731592	7376206	1811982	---	---	---	1,00	down
5731594	7297589	1615666	---	---	---	1,26	down
5731692	7196029	1365622	---	---	---	1,12	up
5731740	7033616	970193	---	---	---	1,11	down
5731749	7065266	1044595	---	---	---	1,04	up
5731865	7248790	1494492	---	---	---	1,46	down
5731906	7237711	1467461	---	---	---	1,17	down
5731986	7237132	1466106	---	---	---	1,17	down
5732055	7217650	1417178	---	---	---	1,14	down
5732061	7356027	1759980	---	---	---	1,19	up
5732094	7207069	1392026	---	---	---	1,04	down
5732102	7096859	1119319	---	---	---	1,38	down
5732152	7280743	1574559	---	---	---	1,10	down
5732334	7248790	1494520	---	---	---	1,05	down
5732345	7239752	1473151	---	---	---	1,12	up
5732568	7319937	1672295	---	---	---	1,02	down
5732594	7211343	1401971	---	---	---	1,06	down
5732635	7065655	1045241	---	---	---	1,15	up
5732644	7281950	1577791	---	---	---	2,39	up
5732653	7326612	1687198	---	---	---	1,04	up
5732718	7330396	1696401	---	---	---	1,35	up
5732798	7028624	957996	---	---	---	1,03	up
5732835	7200490	1376795	---	---	---	1,13	up
5732912	7346505	1736287	---	---	---	1,20	down
5732940	7181871	1330172	---	---	---	1,44	up
5733019	7358053	1764842	---	---	---	1,22	down
5733117	7146000	1240661	---	---	---	2,04	down
5733125	7297483	1615281	---	---	---	1,29	down
5733154	7196803	1367328	---	---	---	1,01	up
5733185	7236395	1464340	---	---	---	1,26	up
5733258	7193644	1359714	---	---	---	1,00	down
5733280	7240569	1475472	---	---	---	1,51	down
5733379	7068259	1051593	---	---	---	1,88	down
5733506	7168858	1296818	---	---	---	1,47	up
5733676	7162959	1282082	---	---	---	1,68	down
5733704	7031774	964738	---	---	---	1,04	down
5733742	7153571	1259033	---	---	---	1,71	up
5733888	7097485	1120937	---	---	---	1,87	down
5733958	7240569	1475469	---	---	---	1,61	down
5734007	7331297	1698810	---	---	---	1,21	up
5734171	7364948	1781227	---	---	---	1,08	up
5734393	7025652	950327	---	---	---	1,05	down
5734400	7232340	1453523	---	---	---	1,21	up
5734410	7049399	1008333	---	---	---	1,17	up
5734484	7248790	1494490	---	---	---	1,12	up
5734491	7094130	1112871	---	---	---	1,02	up
5734931	7067828	1050786	---	---	---	1,05	down
5734938	7140113	1226063	---	---	---	1,20	up
5734997	7059020	1029336	---	---	---	1,23	up
5735066	7207069	1392028	---	---	---	2,10	down
5735135	7067670	1050330	---	---	---	1,56	down
5735259	7038530	981877	---	---	---	1,15	down
5735294	7193056	1358272	---	---	---	1,03	up
5735312	7321204	1675169	---	---	---	1,09	down
5735321	7283819	1582121	---	---	---	1,01	down

5735367	7068853	1053116	---	---	---	1,41	up
5735467	7296131	1611488	---	---	---	1,13	up
5735548	7059584	1030546	---	---	---	1,51	down
5735622	7320337	1673332	---	---	---	1,20	up
5735963	7068259	1051612	---	---	---	1,82	down
5735999	7249503	1496170	---	---	---	1,10	down
5736087	7279533	1571916	---	---	---	1,05	down
5736246	7092549	1109154	---	---	---	1,65	down
5736283	7174149	1310518	---	---	---	1,05	up
5736341	7067670	1050345	---	---	---	1,51	down
5736357	7370843	1798377	---	---	---	3,13	down
5736569	7196029	1365636	---	---	---	1,67	up
5736588	7038530	981860	---	---	---	1,30	up
5736594	7177520	1318612	---	---	---	1,46	down
5736613	7336931	1711855	---	---	---	1,11	down
5736702	7226241	1437804	---	---	---	1,26	up
5736738	7193056	1358279	---	---	---	2,43	up
5736750	7177180	1317764	---	---	---	1,44	down
5736881	7338807	1716831	---	---	---	1,06	down
5736922	7065265	1044564	---	---	---	1,05	up
5737081	7226241	1437771	---	---	---	1,05	down
5737150	7376566	1812846	---	---	---	1,24	down
5737155	7253408	1505945	---	---	---	1,05	down
5737198	7059702	1030771	---	---	---	1,29	down
5737211	7039223	983577	---	---	---	1,45	up
5737275	7069830	1055591	---	---	---	1,48	down
5737278	7168519	1295873	---	---	---	1,29	down
5737501	7331434	1699204	---	---	---	1,14	up
5737508	7189574	1348710	---	---	---	1,10	down
5737522	7342959	1727334	---	---	---	1,09	down
5737545	7092549	1109175	---	---	---	1,35	up
5737561	7385253	1832223	---	---	---	1,18	up
5737596	7041061	988075	---	---	---	1,00	down
5737602	7351951	1749852	---	---	---	1,24	down
5737611	7236254	1464061	---	---	---	1,38	down
5737653	7186464	1341380	---	---	---	1,57	down
5737844	7056333	1023686	---	---	---	1,11	up
5737853	7039223	983561	---	---	---	1,04	down
5737862	7247848	1492073	---	---	---	1,53	up
5737931	7068697	1052768	---	---	---	1,20	down
5738000	7050726	1011260	---	---	---	1,07	up
5738025	7282343	1578686	---	---	---	1,87	up
5738109	7247954	1492389	---	---	---	1,92	up
5738126	7084993	1090692	---	---	---	1,01	up
5738223	7049689	1008873	---	---	---	1,11	down
5738271	7296131	1611503	---	---	---	1,87	up
5738290	7099573	1126731	---	---	---	1,12	down
5738294	7281923	1577699	---	---	---	1,41	down
5738324	7181105	1327967	---	---	---	1,29	up
5738334	7080731	1080978	---	---	---	1,07	down
5738475	7218728	1419924	---	---	---	1,14	up
5738533	7036559	977243	---	---	---	1,09	up
5738629	7267802	1541732	---	---	---	1,77	up
5738631	7243130	1480827	---	---	---	1,02	down
5738674	7331719	1699913	---	---	---	1,38	up
5738755	7301140	1624574	---	---	---	1,31	down

5738818	7181105	1327966	---	---	---	1,02	down
5738829	7068853	1053113	---	---	---	1,26	down
5738876	7047865	1005352	---	---	---	1,09	down
5739111	7333100	1702838	---	---	---	1,40	up
5739200	7237438	1466793	---	---	---	1,17	down
5739230	7112225	1157537	---	---	---	1,03	down
5739238	7212735	1405006	---	---	---	1,60	up
5739247	7068259	1051625	---	---	---	1,89	down
5739314	7141061	1228696	---	---	---	1,14	down
5739324	7292517	1602559	---	---	---	1,15	down
5739399	7043535	994092	---	---	---	1,19	down
5739402	7105375	1140970	---	---	---	1,27	down
5739416	7289856	1596332	---	---	---	1,20	up
5739433	7346066	1735283	---	---	---	1,06	up
5739511	7340304	1720853	---	---	---	1,73	down
5739704	7353712	1753946	---	---	---	1,03	down
5739723	7258520	1518858	---	---	---	1,10	up
5739734	7188822	1346613	---	---	---	1,12	down
5739820	7350237	1745492	---	---	---	1,53	up
5739833	7075445	1069359	---	---	---	1,22	down
5739914	7069830	1055616	---	---	---	1,18	down
5739929	7068697	1052766	---	---	---	1,46	down
5739996	7268736	1544315	---	---	---	1,14	up
5740035	7074989	1068375	---	---	---	1,02	up
5740179	7125348	1190100	---	---	---	1,91	down
5740222	7210387	1400036	---	---	---	1,01	up
5740328	7384509	1830746	---	---	---	1,14	up
5740557	7376206	1811975	---	---	---	1,15	up
5740628	7108345	1148063	---	---	---	1,27	up
5740719	7267802	1541754	---	---	---	1,65	up
5740721	7255522	1511454	---	---	---	1,07	up
5740839	7191594	1354232	---	---	---	1,13	down
5740919	7054958	1020573	---	---	---	1,13	down
5741205	7216132	1413399	---	---	---	1,04	up
5741307	7256191	1512861	---	---	---	1,01	down
5741313	7248790	1494507	---	---	---	1,03	down
5741352	7196029	1365618	---	---	---	1,25	up
5741421	7179785	1324488	---	---	---	1,84	down
5741511	7373678	1805882	---	---	---	1,14	up
5741565	7364346	1780009	---	---	---	1,12	up
5741645	7295410	1609777	---	---	---	1,01	down
5741703	7303616	1631386	---	---	---	1,61	down
5741738	7086975	1095324	---	---	---	1,07	up
5741752	7236987	1465732	---	---	---	2,01	up
5741816	7132125	1206619	---	---	---	1,14	up
5741827	7333333	1703394	---	---	---	1,23	up
5741935	7097525	1121066	---	---	---	1,40	down
5742045	7337902	1714546	---	---	---	1,63	up
5742138	7378878	1818320	---	---	---	2,25	down
5742162	7236358	1464259	---	---	---	1,08	down
5742250	7034756	973224	---	---	---	1,08	up
5742294	7068853	1053103	---	---	---	1,05	down
5742377	7076236	1071201	---	---	---	1,02	down
5742451	7377583	1815456	---	---	---	1,03	down
5742628	7039265	983654	---	---	---	1,06	down
5742849	7054147	1018976	---	---	---	2,18	up

5742907	7247229	1490537	---	---	---	1,02	down
5743029	7086044	1092909	---	---	---	2,87	down
5743042	7078666	1076508	---	---	---	1,14	down
5743095	7162177	1280577	---	---	---	1,06	down
5743149	7345465	1733859	---	---	---	1,11	down
5743234	7356115	1760118	---	---	---	1,07	up
5743264	7141421	1229477	---	---	---	1,08	up
5743283	7240224	1474389	---	---	---	1,22	down
5743333	7043535	994145	---	---	---	1,01	down
5743374	7095021	1115127	---	---	---	2,00	down
5743474	7215722	1412268	---	---	---	1,77	up
5743521	7238115	1468570	---	---	---	1,00	down
5743782	7207069	1392029	---	---	---	1,55	down
5743845	7207069	1392017	---	---	---	1,09	up
5743879	7349643	1744141	---	---	---	1,47	down
5743914	7211343	1401975	---	---	---	1,52	up
5744235	7132125	1206616	---	---	---	1,03	up
5744248	7243647	1482463	---	---	---	1,35	down
5744258	7060851	1033442	---	---	---	1,23	down
5744292	7150348	1251418	---	---	---	1,57	down
5744391	7069142	1053872	---	---	---	1,26	down
5744567	7056333	1023683	---	---	---	1,05	up
5744592	7226241	1437812	---	---	---	2,13	down
5744595	7380497	1821855	---	---	---	1,10	down
5744610	7112225	1157544	---	---	---	1,36	up
5744683	7217679	1417317	---	---	---	1,42	up
5744763	7276650	1564149	---	---	---	1,29	up
5744778	7326612	1687185	---	---	---	1,19	down
5744901	7108551	1148709	---	---	---	1,78	down
5745254	7307721	1641988	---	---	---	1,36	up
5745296	7079600	1078628	---	---	---	1,05	up
5745343	7243653	1482524	---	---	---	1,22	down
5745463	7260613	1524277	---	---	---	1,38	down
5745474	7359453	1768450	---	---	---	1,11	down
5745479	7369939	1795635	---	---	---	1,07	down
5745522	7363576	1778194	---	---	---	1,18	up
5745557	7070836	1058333	---	---	---	1,14	down
5745572	7052933	1016219	---	---	---	1,05	down
5745686	7049399	1008393	---	---	---	1,11	up
5745744	7196029	1365639	---	---	---	1,15	down
5745790	7301616	1625900	---	---	---	1,12	up
5745793	7196029	1365610	---	---	---	2,72	up
5746028	7161992	1280153	---	---	---	1,29	up
5746101	7336931	1711872	---	---	---	1,37	down
5746158	7092549	1109138	---	---	---	1,31	up
5746226	7126658	1193169	---	---	---	1,43	up
5746247	7384509	1830738	---	---	---	1,07	down
5746259	7052813	1015908	---	---	---	1,39	down
5746443	7152974	1257658	---	---	---	1,07	down
5746446	7120827	1179351	---	---	---	1,33	up
5746447	7060851	1033400	---	---	---	1,04	up
5746557	7297589	1615687	---	---	---	1,01	up
5746611	7321414	1675642	---	---	---	1,84	down
5746700	7033337	969496	---	---	---	1,21	down
5746833	7380497	1821845	---	---	---	1,05	down
5747070	7072225	1061405	---	---	---	1,03	up

5747226	7368004	1789331	---	---	---	1,25	down
5747238	7266706	1538749	---	---	---	1,19	down
5747246	7318596	1668936	---	---	---	1,22	up
5747300	7257361	1516092	---	---	---	1,07	up
5747349	7127540	1195284	---	---	---	1,10	up
5747364	7251608	1501457	---	---	---	1,22	up
5747373	7294264	1606845	---	---	---	1,02	down
5747458	7280743	1574558	---	---	---	1,34	down
5747476	7264808	1534468	---	---	---	1,02	down
5747510	7380497	1821862	---	---	---	1,10	up
5747608	7213908	1407662	---	---	---	1,29	down
5747675	7345465	1733827	---	---	---	1,58	down
5747710	7156044	1265715	---	---	---	1,15	down
5747756	7070140	1056531	---	---	---	1,07	up
5747763	7229886	1447146	---	---	---	1,15	up
5747826	7293402	1604869	---	---	---	1,24	up
5747837	7120039	1177491	---	---	---	1,31	up
5747851	7096924	1119621	---	---	---	1,89	down
5747853	7080731	1080981	---	---	---	1,01	up
5747939	7090278	1104135	---	---	---	1,03	up
5747973	7331297	1698802	---	---	---	1,01	down
5748187	7330396	1696338	---	---	---	1,91	up
5748191	7229886	1447168	---	---	---	1,26	down
5748220	7346066	1735309	---	---	---	1,28	up
5748295	7272110	1553073	---	---	---	1,25	up
5748340	7166439	1290098	---	---	---	1,65	up
5748435	7344190	1730603	---	---	---	1,13	down
5748592	7115362	1165607	---	---	---	1,19	up
5748593	7210780	1400865	---	---	---	1,01	down
5748612	7063873	1040642	---	---	---	1,02	down
5748678	7323545	1679968	---	---	---	1,51	down
5748695	7226241	1437814	---	---	---	1,04	up
5748831	7201217	1378761	---	---	---	1,16	up
5749011	7086966	1095267	---	---	---	1,06	down
5749025	7035344	974297	---	---	---	1,25	up
5749215	7344530	1731580	---	---	---	1,04	down
5749226	7025652	950289	---	---	---	1,23	down
5749291	7111573	1156023	---	---	---	1,41	up
5749336	7246866	1489791	---	---	---	1,24	up
5749399	7237438	1466791	---	---	---	1,47	up
5749456	7065265	1044566	---	---	---	1,08	down
5749505	7365183	1781916	---	---	---	2,02	down
5749537	7071264	1059310	---	---	---	1,05	down
5749575	7351951	1749829	---	---	---	1,34	up
5749624	7099030	1125335	---	---	---	2,07	down
5749625	7186464	1341364	---	---	---	1,27	up
5749784	7305674	1636824	---	---	---	1,01	down
5749800	7174149	1310489	---	---	---	1,07	down
5749829	7284359	1583439	---	---	---	1,27	up
5749875	7117158	1170012	---	---	---	1,13	up
5749877	7233440	1456884	---	---	---	3,44	up
5749880	7206133	1389983	---	---	---	1,12	down
5749960	7258520	1518853	---	---	---	1,11	down
5750131	7377513	1815291	---	---	---	1,08	up
5750190	7060851	1033430	---	---	---	1,04	up
5750236	7215722	1412268	---	---	---	1,86	up

5750488	7165954	1288811	---	---	---	1,06	down
5750617	7367994	1789238	---	---	---	1,09	up
5750675	7260613	1524278	---	---	---	1,07	up
5750683	7274780	1559243	---	---	---	1,07	up
5750698	7052385	1014786	---	---	---	1,58	up
5751007	7258345	1518537	---	---	---	1,43	down
5751104	7333100	1702838	---	---	---	1,03	up
5751128	7316644	1664014	---	---	---	1,50	up
5751221	7364346	1780026	---	---	---	2,07	up
5751240	7267802	1541816	---	---	---	1,07	down
5751243	7267953	1542232	---	---	---	1,46	down
5751276	7265952	1536975	---	---	---	1,81	down
5751353	7316644	1664030	---	---	---	1,24	down
5751364	7279533	1571910	---	---	---	2,58	down
5751403	7341002	1722534	---	---	---	1,38	up
5751416	7273251	1555949	---	---	---	1,30	up
5751418	7292154	1601672	---	---	---	1,12	down
5751439	7339387	1718378	---	---	---	1,17	down
5751459	7193056	1358255	---	---	---	1,03	down
5751524	7315206	1660021	---	---	---	1,00	up
5751536	7267802	1541816	---	---	---	1,14	down
5751794	7227313	1440692	---	---	---	1,80	up
5751876	7032444	966757	---	---	---	1,19	down
5751916	7097680	1121744	---	---	---	1,51	up
5751972	7198210	1370958	---	---	---	1,08	up
5752036	7236991	1465818	---	---	---	2,16	down
5752045	7056304	1023521	---	---	---	1,21	down
5752052	7249737	1496747	---	---	---	1,20	up
5752095	7247954	1492397	---	---	---	1,02	up
5752177	7115362	1165598	---	---	---	1,42	down
5752300	7196029	1365636	---	---	---	1,13	down
5752365	7210780	1400869	---	---	---	1,00	up
5752422	7046605	1002433	---	---	---	1,09	up
5752503	7341646	1724194	---	---	---	1,06	up
5752519	7098366	1123618	---	---	---	2,26	up
5752575	7350993	1747523	---	---	---	1,24	down
5752616	7266706	1538746	---	---	---	1,33	down
5752625	7337260	1712808	---	---	---	1,21	up
5752790	7087805	1097502	---	---	---	1,17	up
5752791	7030454	961552	---	---	---	1,21	down
5752793	7247229	1490536	---	---	---	1,04	down
5752819	7235426	1461848	---	---	---	1,23	down
5753012	7214605	1409365	---	---	---	1,44	down
5753049	7070616	1057775	---	---	---	1,05	down
5753101	7378997	1818657	---	---	---	1,35	up
5753149	7256191	1512859	---	---	---	1,69	up
5753237	7181193	1328292	---	---	---	1,22	up
5753249	7323545	1679987	---	---	---	1,20	up
5753252	7271008	1549970	---	---	---	1,32	down
5753288	7092549	1109172	---	---	---	1,04	down
5753313	7243130	1480907	---	---	---	1,28	down
5753374	7329846	1694991	---	---	---	1,20	up
5753397	7243130	1480886	---	---	---	1,04	up
5753417	7065655	1045275	---	---	---	1,48	down
5753635	7138047	1221238	---	---	---	1,05	up
5753639	7156114	1266055	---	---	---	1,92	up

5753674	7229856	1447079	---	---	---	1,38	up
5753708	7095021	1115124	---	---	---	1,37	up
5753811	7368613	1791624	---	---	---	1,16	down
5753830	7323545	1679940	---	---	---	1,20	down
5753852	7321414	1675637	---	---	---	1,24	up
5753957	7037764	980109	---	---	---	1,23	up
5754100	7068942	1053378	---	---	---	1,05	down
5754263	7340057	1720325	---	---	---	2,07	up
5754322	7360486	1770965	---	---	---	1,19	down
5754480	7193644	1359721	---	---	---	1,16	up
5754488	7331434	1699216	---	---	---	1,13	down
5754508	7041609	989567	---	---	---	1,01	up
5754519	7268736	1544322	---	---	---	1,02	up
5754683	7031774	964754	---	---	---	1,16	down
5754723	7195903	1365332	---	---	---	1,03	up
5754730	7230698	1449066	---	---	---	1,74	down
5754788	7214605	1409398	---	---	---	1,10	up
5754831	7127540	1195300	---	---	---	1,23	up
5754848	7041584	989455	---	---	---	1,53	down
5754888	7139026	1223503	---	---	---	1,76	down
5754915	7360486	1771015	---	---	---	1,01	up
5754984	7294866	1608401	---	---	---	1,28	down
5755082	7340990	1722512	---	---	---	1,04	down
5755099	7249503	1496184	---	---	---	1,42	up
5755142	7083031	1086285	---	---	---	1,35	up
5755230	7107321	1145322	---	---	---	1,04	down
5755292	7142081	1230985	---	---	---	1,01	up
5755361	7290288	1597343	---	---	---	1,93	up
5755369	7096859	1119308	---	---	---	1,18	down
5755393	7174149	1310498	---	---	---	1,24	down
5755576	7083030	1086272	---	---	---	1,42	up
5755639	7315206	1660037	---	---	---	1,75	down
5755661	7258784	1519671	---	---	---	1,45	down
5755764	7238202	1468946	---	---	---	2,55	down
5755818	7253272	1505569	---	---	---	1,68	up
5755838	7042382	991296	---	---	---	1,39	up
5755862	7267380	1540445	---	---	---	1,04	up
5755888	7384365	1830270	---	---	---	2,02	down
5755918	7374842	1808996	---	---	---	1,75	up
5755933	7067670	1050320	---	---	---	1,48	up
5756002	7316644	1664016	---	---	---	2,19	down
5756128	7180861	1327224	---	---	---	1,07	up
5756225	7063873	1040641	---	---	---	1,26	down
5756256	7190524	1351177	---	---	---	1,19	up
5756298	7252382	1503515	---	---	---	2,30	up
5756302	7274892	1559576	---	---	---	1,36	up
5756360	7069253	1054175	---	---	---	2,05	down
5756371	7025652	950300	---	---	---	1,14	up
5756489	7281077	1575558	---	---	---	1,05	down
5756594	7339379	1718334	---	---	---	1,20	up
5756805	7181105	1327967	---	---	---	1,36	down
5756979	7083030	1086255	---	---	---	1,10	down
5756990	7186464	1341385	---	---	---	1,60	down
5757124	7107926	1146838	---	---	---	1,33	down
5757131	7297589	1615642	---	---	---	1,06	up
5757338	7303616	1631339	---	---	---	1,00	up

5757372	7243130	1480841	---	---	---	1,07	down
5757527	7225304	1435319	---	---	---	1,56	up
5757537	7146000	1240655	---	---	---	3,01	down
5757571	7056304	1023556	---	---	---	1,05	down
5757673	7052813	1015892	---	---	---	1,23	down
5757738	7231775	1452125	---	---	---	1,45	down
5757752	7038316	981456	---	---	---	1,17	down
5757935	7361420	1773038	---	---	---	2,18	down
5758007	7170845	1301879	---	---	---	1,25	down
5758056	7240569	1475521	---	---	---	1,21	down
5758075	7127540	1195301	---	---	---	1,35	up
5758131	7279073	1570711	---	---	---	1,31	down
5758189	7361420	1773054	---	---	---	1,11	up
5758290	7132024	1206344	---	---	---	1,52	up
5758360	7371446	1800085	---	---	---	1,72	down
5758543	7198325	1371350	---	---	---	1,69	down
5758623	7289069	1594419	---	---	---	1,34	down
5758670	7213908	1407757	---	---	---	1,66	up
5758812	7101258	1130566	---	---	---	1,15	down
5758814	7345882	1734812	---	---	---	1,60	down
5758855	7360486	1771025	---	---	---	2,05	down
5758945	7279533	1571917	---	---	---	1,02	up
5758961	7378997	1818620	---	---	---	1,54	down
5759001	7275003	1559937	---	---	---	2,00	down
5759043	7156372	1266709	---	---	---	1,15	up
5759053	7303616	1631376	---	---	---	1,06	down
5759081	7069239	1054092	---	---	---	1,11	down
5759209	7203872	1384750	---	---	---	1,36	down
5759229	7084993	1090678	---	---	---	1,18	up
5759336	7112225	1157543	---	---	---	1,30	down
5759446	7180861	1327186	---	---	---	1,15	up
5759455	7068853	1053111	---	---	---	1,15	up
5759550	7053874	1018311	---	---	---	1,00	down
5759574	7373678	1805857	---	---	---	1,17	down
5759589	7233440	1456839	---	---	---	1,09	up
5759682	7039223	983549	---	---	---	1,31	down
5759809	7050557	1010797	---	---	---	1,04	down
5759960	7181016	1327783	---	---	---	1,15	down
5760132	7049118	1007791	---	---	---	1,47	down
5760157	7373678	1805881	---	---	---	1,18	up
5760159	7276231	1563101	---	---	---	1,08	down
5760178	7069724	1055338	---	---	---	1,05	up
5760183	7261768	1527165	---	---	---	1,42	up
5760244	7138255	1221710	---	---	---	1,22	up
5760299	7075424	1069298	---	---	---	1,11	down
5760450	7181193	1328302	---	---	---	2,03	up
5760597	7361223	1772613	---	---	---	1,19	down
5760769	7147416	1244423	---	---	---	1,13	down
5760833	7303616	1631375	---	---	---	1,28	up
5760956	7210780	1400875	---	---	---	1,03	down
5761036	7303616	1631313	---	---	---	1,15	up
5761074	7069830	1055637	---	---	---	1,09	down
5761318	7049399	1008416	---	---	---	1,01	down
5761471	7371446	1800081	---	---	---	1,05	up
5761539	7226241	1437768	---	---	---	1,19	up
5761561	7059765	1030957	---	---	---	1,24	up

5761566	7031774	964688	---	---	---	1,92	up
5761737	7190534	1351229	---	---	---	1,28	down
5761836	7356333	1760489	---	---	---	1,05	up
5761842	7341002	1722557	---	---	---	1,43	up
5761851	7169732	1298758	---	---	---	1,02	down
5761891	7384073	1829458	---	---	---	1,04	up
5761899	7315206	1660018	---	---	---	1,35	up
5762084	7287337	1589976	---	---	---	1,96	down
5762155	7248790	1494495	---	---	---	1,14	down
5762260	7213945	1407850	---	---	---	1,63	down
5762335	7333462	1703647	---	---	---	1,33	up
5762396	7067670	1050304	---	---	---	1,45	up
5762538	7198210	1371001	---	---	---	1,41	down
5762548	7180620	1326384	---	---	---	1,43	up
5762578	7236358	1464219	---	---	---	1,09	up
5762608	7274593	1558805	---	---	---	7,03	down
5762618	7171047	1302369	---	---	---	1,38	down
5762660	7344702	1732140	---	---	---	1,23	down
5762714	7200545	1376901	---	---	---	1,07	down
5762797	7267380	1540416	---	---	---	2,45	up
5762873	7341397	1723645	---	---	---	1,01	down
5762885	7364948	1781209	---	---	---	1,42	down
5762968	7098189	1123160	---	---	---	1,17	down
5762988	7333462	1703641	---	---	---	1,55	up
5763046	7064224	1041800	---	---	---	1,28	down
5763069	7203872	1384752	---	---	---	1,21	down
5763125	7196065	1365726	---	---	---	2,13	up
5763127	7025652	950294	---	---	---	1,55	up
5763337	7059020	1029348	---	---	---	1,26	up
5763405	7258105	1517984	---	---	---	1,53	down
5763520	7264797	1534442	---	---	---	1,38	up
5763614	7073854	1065623	---	---	---	1,93	down
5763766	7273251	1555941	---	---	---	1,28	down
5763992	7129841	1200829	---	---	---	1,25	down
5764041	7209927	1398941	---	---	---	1,17	up
5764082	7358859	1767018	---	---	---	1,12	up
5764116	7196029	1365617	---	---	---	1,22	up
5764151	7340304	1720843	---	---	---	1,51	down
5764154	7052385	1014794	---	---	---	1,15	up
5764177	7157341	1269169	---	---	---	1,22	down
5764239	7303616	1631345	---	---	---	1,00	up
5764242	7369939	1795613	---	---	---	1,30	down
5764347	7143455	1234739	---	---	---	1,11	down
5764368	7229886	1447159	---	---	---	1,35	down
5764512	7326612	1687188	---	---	---	1,12	up
5764585	7277783	1567420	---	---	---	1,75	up
5764591	7330623	1696950	---	---	---	1,42	up
5764647	7183182	1333571	---	---	---	1,67	down
5764652	7302018	1626963	---	---	---	1,02	up
5764774	7249503	1496183	---	---	---	1,07	up
5764857	7049399	1008400	---	---	---	1,09	down
5764920	7253453	1506152	---	---	---	1,04	up
5764961	7059584	1030556	---	---	---	1,07	down
5765014	7099573	1126729	---	---	---	1,29	up
5765021	7068853	1053121	---	---	---	1,00	up
5765075	7214363	1408973	---	---	---	1,17	up

5765080	7112562	1158600	---	---	---	2,23	down
5765141	7373906	1806353	---	---	---	1,33	up
5765158	7289382	1595213	---	---	---	1,03	up
5765180	7360325	1770492	---	---	---	1,01	down
5765204	7243363	1481627	---	---	---	1,09	down
5765250	7067670	1050302	---	---	---	1,28	up
5765308	7112225	1157580	---	---	---	1,31	up
5765338	7243130	1480811	---	---	---	1,15	up
5765352	7323545	1679962	---	---	---	1,68	up
5765444	7301879	1626624	---	---	---	1,63	down
5765464	7373633	1805698	---	---	---	1,03	down
5765474	7330396	1696354	---	---	---	1,13	up
5765510	7072765	1062742	---	---	---	1,17	up
5765512	7060851	1033407	---	---	---	1,05	down
5765748	7146000	1240656	---	---	---	1,39	up
5765786	7181193	1328290	---	---	---	1,14	up
5765872	7286807	1588792	---	---	---	1,05	up
5765888	7108300	1147915	---	---	---	1,16	up
5765953	7369939	1795614	---	---	---	1,50	down
5766014	7265259	1535447	---	---	---	1,01	up
5766332	7279568	1572013	---	---	---	1,36	down
5766388	7036870	977870	---	---	---	1,05	up
5766507	7131550	1205562	---	---	---	1,08	up
5766515	7214605	1409404	---	---	---	2,02	down
5766563	7334331	1705687	---	---	---	1,09	down
5766583	7052331	1014598	---	---	---	1,05	down
5766682	7214363	1408956	---	---	---	1,21	up
5766737	7071264	1059363	---	---	---	2,29	up
5766850	7038969	982979	---	---	---	1,25	down
5766887	7367994	1789256	---	---	---	2,01	up
5767093	7349817	1744588	---	---	---	1,59	down
5767232	7367971	1789127	---	---	---	1,05	up
5767342	7297274	1614661	---	---	---	1,02	down
5767408	7339110	1717614	---	---	---	1,31	up
5767520	7258520	1518881	---	---	---	1,10	up
5767526	7243363	1481626	---	---	---	1,14	up
5767595	7249503	1496223	---	---	---	1,04	down
5767653	7153589	1259083	---	---	---	1,11	up
5767730	7061003	1033921	---	---	---	1,00	up
5767759	7339379	1718326	---	---	---	1,37	up
5767802	7350489	1746126	---	---	---	1,26	down
5767812	7350993	1747551	---	---	---	1,67	down
5767813	7349817	1744597	---	---	---	1,18	down
5767821	7286807	1588833	---	---	---	1,65	down
5767894	7287222	1589746	---	---	---	1,19	up
5767936	7181193	1328289	---	---	---	1,19	down
5767949	7225553	1435985	---	---	---	1,18	down
5767966	7068073	1051176	---	---	---	1,40	up
5767985	7299512	1620557	---	---	---	1,05	down
5768044	7097485	1120935	---	---	---	1,35	down
5768056	7181590	1329428	---	---	---	1,09	down
5768145	7384509	1830736	---	---	---	1,04	down
5768214	7242451	1479338	---	---	---	1,48	up
5768267	7032204	966120	---	---	---	1,29	down
5768360	7083030	1086267	---	---	---	1,17	down
5768476	7198210	1370970	---	---	---	1,09	up

5768479	7297589	1615603	---	---	---	1,22	up
5768704	7287337	1589994	---	---	---	1,22	down
5768731	7156052	1265780	---	---	---	1,13	up
5768745	7230886	1449526	---	---	---	1,11	up
5768798	7101400	1130920	---	---	---	1,45	down
5768847	7239752	1473196	---	---	---	1,13	up
5768923	7246866	1489800	---	---	---	1,42	up
5768927	7202550	1381609	---	---	---	2,32	down
5769128	7083030	1086261	---	---	---	1,29	up
5769287	7180861	1327216	---	---	---	1,23	up
5769321	7093806	1112161	---	---	---	2,17	down
5769330	7232340	1453519	---	---	---	1,26	down
5769757	7233440	1456827	---	---	---	1,38	down
5769852	7320234	1673015	---	---	---	1,36	down
5769945	7029770	960158	---	---	---	1,27	up
5769998	7117158	1170020	---	---	---	1,37	down
5770025	7350993	1747532	---	---	---	1,10	down
5770049	7384365	1830275	---	---	---	1,13	up
5770050	7356115	1760134	---	---	---	1,33	down
5770082	7240569	1475464	---	---	---	1,10	up
5770352	7274892	1559525	---	---	---	1,05	up
5770427	7360486	1771015	---	---	---	1,02	up
5770463	7069253	1054151	---	---	---	1,49	up
5770491	7075445	1069341	---	---	---	1,15	up
5770743	7102369	1133418	---	---	---	1,12	down
5770884	7168858	1296833	---	---	---	1,17	up
5770951	7112225	1157527	---	---	---	1,00	up
5770957	7032083	965682	---	---	---	1,24	up
5771000	7039265	983658	---	---	---	1,02	up
5771019	7140946	1228325	---	---	---	1,15	up
5771116	7218728	1419919	---	---	---	1,31	up
5771213	7229886	1447164	---	---	---	1,09	up
5771253	7210600	1400520	---	---	---	1,07	up
5771320	7280743	1574523	---	---	---	1,02	up
5771386	7156052	1265772	---	---	---	1,32	down
5771574	7181193	1328304	---	---	---	1,01	down
5771593	7344406	1731192	---	---	---	1,04	up
5771609	7338807	1716798	---	---	---	1,11	down
5771633	7034293	971810	---	---	---	2,57	up
5771676	7293454	1604956	---	---	---	1,58	up
5771684	7102976	1135062	---	---	---	2,63	up
5771700	7356115	1760133	---	---	---	1,39	up
5771724	7302098	1627162	---	---	---	1,28	down
5771803	7243647	1482425	---	---	---	1,02	up
5771806	7108551	1148709	---	---	---	1,24	down
5771914	7311367	1650728	---	---	---	1,01	down
5772056	7199476	1374563	---	---	---	1,01	up
5772062	7340304	1720867	---	---	---	2,46	down
5772103	7213908	1407712	---	---	---	1,12	down
5772125	7050780	1011369	---	---	---	1,18	up
5772150	7372840	1803780	---	---	---	1,06	up
5772246	7238202	1468939	---	---	---	1,38	up
5772311	7198644	1372268	---	---	---	1,33	up
5772360	7218728	1419929	---	---	---	1,07	up
5772434	7040260	986041	---	---	---	1,17	down
5772436	7321414	1675643	---	---	---	2,11	down

5772526	7217747	1417506	---	---	---	1,29	up
5772629	7274892	1559525	---	---	---	1,18	down
5772684	7069464	1054670	---	---	---	1,10	down
5772708	7065266	1044588	---	---	---	1,29	up
5772733	7240224	1474390	---	---	---	1,30	up
5772782	7080731	1080971	---	---	---	1,52	up
5772829	7086966	1095278	---	---	---	1,32	down
5772881	7097680	1121748	---	---	---	1,41	down
5772932	7040260	986093	---	---	---	1,16	down
5772969	7112672	1158978	---	---	---	1,97	up
5773163	7064468	1042378	---	---	---	2,28	up
5773288	7236254	1464052	---	---	---	1,66	down
5773313	7331297	1698820	---	---	---	1,37	down
5773338	7288095	1592061	---	---	---	1,90	down
5773466	7331434	1699204	---	---	---	1,82	up
5773585	7337224	1712607	---	---	---	1,19	up
5773797	7188829	1346669	---	---	---	1,01	up
5773811	7196029	1365601	---	---	---	1,95	up
5773812	7199476	1374534	---	---	---	1,08	up
5773983	7343122	1727745	---	---	---	1,38	up
5774024	7030224	961135	---	---	---	1,01	down
5774163	7091954	1107721	---	---	---	1,06	up
5774164	7370475	1797134	---	---	---	1,37	down
5774221	7147809	1245453	---	---	---	1,20	up
5774297	7198210	1370968	---	---	---	1,13	up
5774363	7043535	994096	---	---	---	1,03	down
5774369	7056333	1023713	---	---	---	1,04	down
5774401	7096924	1119615	---	---	---	1,75	up
5774594	7265259	1535438	---	---	---	1,14	down
5774740	7244602	1484757	---	---	---	1,01	up
5774915	7285897	1586641	---	---	---	1,15	up
5775034	7370977	1798760	---	---	---	2,10	down
5775082	7115880	1166839	---	---	---	1,30	down
5775351	7350237	1745474	---	---	---	1,29	down
5775352	7360486	1770972	---	---	---	1,32	up
5775375	7052813	1015913	---	---	---	1,35	up
5775456	7384365	1830268	---	---	---	1,05	down
5775462	7076236	1071180	---	---	---	1,06	down
5775463	7052933	1016215	---	---	---	1,06	down
5775538	7161300	1278554	---	---	---	1,01	down
5775547	7132024	1206337	---	---	---	1,15	down
5775593	7240569	1475472	---	---	---	1,09	up
5775778	7340304	1720865	---	---	---	1,70	down
5775805	7360325	1770507	---	---	---	1,02	down
5775852	7075424	1069277	---	---	---	1,15	down
5775898	7064905	1043436	---	---	---	1,34	up
5776042	7119930	1177230	---	---	---	1,42	up
5776130	7239752	1473168	---	---	---	1,14	up
5776140	7178060	1320163	---	---	---	1,07	down
5776168	7311218	1650350	---	---	---	1,13	up
5776203	7225304	1435313	---	---	---	1,27	down
5776265	7059375	1030062	---	---	---	1,33	up
5776353	7350993	1747553	---	---	---	1,26	up
5776514	7277783	1567444	---	---	---	1,75	up
5776567	7038153	981149	---	---	---	1,03	up
5776633	7239752	1473169	---	---	---	1,18	down

5776715	7321029	1674831	---	---	---	1,48	up
5776810	7039223	983577	---	---	---	1,29	up
5776850	7049399	1008348	---	---	---	1,27	down
5776905	7341253	1723265	---	---	---	1,62	up
5777008	7303616	1631362	---	---	---	1,05	up
5777034	7269637	1546244	---	---	---	2,70	down
5777185	7280743	1574502	---	---	---	1,25	down
5777268	7225213	1435123	---	---	---	1,15	up
5777406	7108300	1147916	---	---	---	1,10	up
5777496	7025652	950299	---	---	---	1,07	down
5777557	7217747	1417492	---	---	---	1,41	down
5777830	7264797	1534437	---	---	---	1,01	up
5778104	7243647	1482487	---	---	---	1,17	up
5778115	7182056	1330576	---	---	---	1,21	up
5778182	7132125	1206617	---	---	---	1,19	up
5778242	7068942	1053384	---	---	---	1,02	up
5778383	7373906	1806364	---	---	---	1,36	down
5778485	7181086	1327924	---	---	---	1,39	down
5778523	7271128	1550319	---	---	---	1,12	up
5778593	7143904	1235800	---	---	---	1,13	up
5778622	7253088	1505123	---	---	---	1,08	up
5778649	7181105	1327967	---	---	---	1,33	down
5778670	7168309	1295348	---	---	---	1,53	down
5778712	7182713	1332540	---	---	---	1,19	down
5778755	7333333	1703398	---	---	---	1,39	up
5778944	7321029	1674808	---	---	---	1,21	down
5778950	7056333	1023701	---	---	---	1,39	down
5778954	7257976	1517706	---	---	---	1,58	up
5779135	7351953	1749858	---	---	---	1,55	down
5779160	7308679	1644252	---	---	---	1,51	up
5779170	7091954	1107726	---	---	---	1,03	down
5779346	7340258	1720734	---	---	---	1,14	up
5779367	7068853	1053122	---	---	---	1,01	up
5779560	7105814	1141774	---	---	---	1,10	down
5779585	7363674	1778440	---	---	---	1,03	down
5779781	7249503	1496232	---	---	---	1,22	up
5779833	7156170	1266229	---	---	---	1,12	down
5779888	7367969	1789104	---	---	---	1,63	down
5779967	7139708	1225056	---	---	---	1,02	up
5779990	7063873	1040647	---	---	---	1,08	up
5780009	7093806	1112166	---	---	---	3,25	down
5780020	7339387	1718394	---	---	---	1,21	down
5780116	7240665	1475844	---	---	---	1,05	up
5780196	7217747	1417490	---	---	---	1,44	up
5780232	7232029	1452789	---	---	---	1,41	up
5780238	7341397	1723644	---	---	---	1,08	up
5780304	7298920	1618823	---	---	---	1,35	down
5780359	7370475	1797135	---	---	---	1,11	down
5780462	7145669	1240010	---	---	---	1,00	up
5780507	7374790	1808777	---	---	---	1,20	down
5780569	7192902	1357765	---	---	---	1,34	down
5780606	7308679	1644239	---	---	---	1,32	down
5780614	7239939	1473793	---	---	---	1,16	up
5780635	7236395	1464318	---	---	---	1,14	down
5780641	7217679	1417313	---	---	---	1,01	up
5780758	7060851	1033428	---	---	---	1,12	up

5780765	7238845	1470743	---	---	---	1,01	up
5780776	7273223	1555876	---	---	---	1,41	up
5780975	7264085	1532719	---	---	---	2,94	down
5781048	7363576	1778176	---	---	---	1,04	down
5781121	7340057	1720332	---	---	---	1,36	up
5781309	7112562	1158602	---	---	---	1,30	down
5781437	7330181	1695709	---	---	---	2,07	up
5781644	7129688	1200558	---	---	---	2,03	down
5781682	7086751	1094622	---	---	---	1,26	down
5781714	7339379	1718345	---	---	---	1,22	down
5781775	7029078	958874	---	---	---	1,15	up
5781783	7264808	1534467	---	---	---	1,23	up
5781797	7160402	1276158	---	---	---	1,01	down
5781855	7070616	1057793	---	---	---	1,16	up
5781933	7364346	1779965	---	---	---	1,07	up
5781957	7303616	1631354	---	---	---	1,02	down
5781960	7127540	1195292	---	---	---	1,18	down
5782065	7133612	1210300	---	---	---	1,06	up
5782113	7156052	1265773	---	---	---	1,04	up
5782164	7172373	1305564	---	---	---	2,38	up
5782210	7233440	1456832	---	---	---	1,07	up
5782270	7037764	980087	---	---	---	1,16	up
5782278	7240665	1475826	---	---	---	1,30	up
5782376	7034353	972127	---	---	---	1,37	up
5782457	7316644	1664019	---	---	---	1,23	down
5782486	7034293	971862	---	---	---	1,03	down
5782504	7367994	1789255	---	---	---	1,18	down
5782541	7331297	1698810	---	---	---	1,15	down
5782638	7356115	1760115	---	---	---	1,03	down
5782648	7263152	1530365	---	---	---	1,01	up
5782651	7116614	1168784	---	---	---	1,16	up
5782652	7132125	1206605	---	---	---	1,22	down
5782657	7230611	1448802	---	---	---	1,08	up
5782671	7310670	1648982	---	---	---	1,07	up
5782748	7245695	1487060	---	---	---	1,05	down
5782765	7356027	1759985	---	---	---	1,19	up
5782877	7333333	1703398	---	---	---	1,03	down
5782899	7315206	1660023	---	---	---	1,30	down
5782926	7192320	1356026	---	---	---	1,06	down
5783062	7180630	1326454	---	---	---	1,51	up
5783218	7040260	986062	---	---	---	1,02	up
5783282	7319065	1669994	---	---	---	1,05	up
5783296	7052813	1015912	---	---	---	1,04	down
5783341	7352044	1750011	---	---	---	1,92	up
5783490	7197638	1369572	---	---	---	1,27	down
5783548	7176177	1315136	---	---	---	1,33	down
5783560	7240569	1475514	---	---	---	1,42	down
5783565	7256238	1513033	---	---	---	1,44	up
5783569	7057966	1026821	---	---	---	1,06	up
5783575	7074132	1066324	---	---	---	2,08	up
5783666	7228530	1443787	---	---	---	1,27	down
5783697	7119930	1177200	---	---	---	1,33	up
5783945	7103337	1135940	---	---	---	1,31	up
5783949	7258323	1518471	---	---	---	3,01	down
5783966	7162144	1280506	---	---	---	1,09	down
5783989	7108122	1147386	---	---	---	1,06	up

5784103	7368004	1789336	---	---	---	1,38	up
5784127	7190524	1351175	---	---	---	1,30	down
5784145	7363674	1778414	---	---	---	1,19	up
5784453	7253408	1505942	---	---	---	1,09	up
5784539	7119556	1176078	---	---	---	1,05	down
5784657	7114108	1162448	---	---	---	1,11	up
5784729	7072765	1062731	---	---	---	1,15	down
5784757	7298920	1618820	---	---	---	1,24	up
5784799	7071714	1060360	---	---	---	1,20	down
5784886	7193056	1358269	---	---	---	1,40	down
5784937	7161992	1280153	---	---	---	1,18	up
5784964	7176456	1315828	---	---	---	1,03	up
5784992	7060195	1031960	---	---	---	1,33	down
5785008	7323545	1679986	---	---	---	1,00	down
5785033	7286807	1588846	---	---	---	1,09	up
5785045	7120379	1178328	---	---	---	1,64	up
5785113	7334331	1705691	---	---	---	1,20	down
5785169	7287222	1589719	---	---	---	1,34	up
5785317	7276231	1563103	---	---	---	1,08	down
5785391	7170764	1301466	---	---	---	1,87	down
5785455	7079600	1078632	---	---	---	1,95	up
5785530	7313905	1656847	---	---	---	2,13	down
5785531	7341397	1723637	---	---	---	1,60	down
5785769	7033616	970211	---	---	---	2,71	down
5785770	7146000	1240659	---	---	---	1,12	down
5785865	7071969	1060902	---	---	---	1,85	down
5785888	7237719	1467479	---	---	---	1,61	down
5786004	7321204	1675168	---	---	---	1,03	up
5786047	7070836	1058346	---	---	---	1,07	down
5786049	7297589	1615680	---	---	---	1,40	up
5786052	7120235	1177952	---	---	---	1,06	down
5786211	7127540	1195303	---	---	---	1,41	up
5786284	7189689	1349054	---	---	---	1,56	up
5786325	7267802	1541733	---	---	---	1,36	down
5786496	7235076	1461028	---	---	---	1,30	down
5786726	7303616	1631319	---	---	---	1,11	down
5786728	7178060	1320158	---	---	---	1,03	up
5786742	7097680	1121747	---	---	---	1,30	down
5786895	7360486	1770999	---	---	---	1,18	down
5786966	7351951	1749819	---	---	---	1,52	down
5786974	7061367	1034836	---	---	---	1,64	up
5787035	7233425	1456756	---	---	---	1,93	down
5787086	7358708	1766577	---	---	---	1,09	down
5787094	7374842	1808979	---	---	---	1,17	down
5787179	7349643	1744165	---	---	---	1,07	down
5787185	7115146	1164932	---	---	---	1,10	down
5787217	7240569	1475515	---	---	---	1,03	down
5787234	7068259	1051595	---	---	---	1,27	up
5787256	7183182	1333570	---	---	---	1,45	down
5787351	7102113	1132808	---	---	---	1,98	down
5787386	7129841	1200831	---	---	---	1,09	down
5787484	7199341	1374138	---	---	---	1,03	up
5787566	7073928	1065803	---	---	---	7,61	down
5787627	7186464	1341369	---	---	---	1,20	up
5787634	7070616	1057794	---	---	---	1,23	down
5787643	7303616	1631331	---	---	---	1,00	up

5787702	7360486	1770941	---	---	---	1,62	down
5787860	7192914	1357831	---	---	---	1,23	down
5787910	7197056	1367842	---	---	---	1,05	down
5787923	7373906	1806355	---	---	---	1,00	up
5787946	7141061	1228644	---	---	---	1,07	up
5787953	7244288	1484128	---	---	---	1,02	up
5787987	7243603	1482278	---	---	---	1,02	up
5788113	7069253	1054155	---	---	---	1,20	up
5788142	7301900	1626743	---	---	---	1,10	down
5788143	7067670	1050324	---	---	---	1,64	up
5788176	7118356	1173203	---	---	---	1,04	down
5788227	7109373	1150919	---	---	---	1,07	down
5788399	7139708	1225064	---	---	---	1,29	up
5788408	7238115	1468638	---	---	---	1,22	up
5788429	7097525	1121050	---	---	---	1,04	down
5788515	7257361	1516098	---	---	---	1,17	up
5788623	7181442	1328882	---	---	---	1,45	down
5788635	7225304	1435316	---	---	---	1,31	down
5788685	7087805	1097469	---	---	---	1,06	up
5788936	7182713	1332530	---	---	---	1,04	down
5788997	7059584	1030542	---	---	---	1,13	down
5789135	7041584	989452	---	---	---	1,45	down
5789195	7086975	1095324	---	---	---	1,75	down
5789200	7112570	1158681	---	---	---	1,23	down
5789208	7127540	1195295	---	---	---	1,03	down
5789290	7027795	956272	---	---	---	1,17	up
5789356	7133612	1210286	---	---	---	1,06	down
5789379	7097485	1120948	---	---	---	1,22	up
5789434	7373633	1805707	---	---	---	1,01	up
5789453	7329846	1694992	---	---	---	1,60	down
5789521	7038530	981859	---	---	---	1,35	up
5789537	7180620	1326399	---	---	---	1,30	down
5789557	7228848	1444755	---	---	---	1,00	up
5789569	7357815	1764147	---	---	---	1,10	up
5789589	7248964	1494950	---	---	---	1,91	up
5789666	7248790	1494538	---	---	---	1,48	down
5789740	7092549	1109136	---	---	---	1,12	up
5789778	7316054	1662299	---	---	---	1,37	up
5789892	7115880	1166841	---	---	---	1,22	up
5789999	7358859	1766965	---	---	---	1,26	up
5790204	7368912	1792632	---	---	---	1,41	up
5790226	7297589	1615620	---	---	---	1,01	down
5790320	7032444	966751	---	---	---	1,53	down
5790628	7231152	1450271	---	---	---	1,31	up
5790718	7155882	1265361	---	---	---	1,15	up
5790728	7146093	1240987	---	---	---	1,07	up
5790738	7231152	1450258	---	---	---	1,08	up
5790794	7039821	985069	---	---	---	2,33	down
5790816	7075424	1069291	---	---	---	1,03	down
5791007	7265259	1535437	---	---	---	1,32	up
5791025	7330238	1695962	---	---	---	1,00	up
5791039	7087282	1096169	---	---	---	1,60	up
5791058	7169599	1298451	---	---	---	1,03	up
5791061	7240206	1474349	---	---	---	1,56	up
5791063	7032074	965631	---	---	---	1,42	up
5791167	7112225	1157596	---	---	---	1,31	down

5791324	7095956	1117045	---	---	---	1,04	down
5791357	7323522	1679874	---	---	---	1,14	down
5791625	7088723	1100139	---	---	---	1,07	up
5791631	7092549	1109188	---	---	---	1,08	up
5791738	7274780	1559220	---	---	---	1,14	down
5791805	7057966	1026819	---	---	---	1,04	up
5791812	7154655	1262333	---	---	---	1,34	down
5791814	7243130	1480847	---	---	---	1,13	down
5791938	7274780	1559234	---	---	---	1,31	down
5791959	7031774	964772	---	---	---	1,05	down
5791971	7139026	1223499	---	---	---	1,14	down
5792036	7049399	1008377	---	---	---	1,23	down
5792063	7047524	1004663	---	---	---	1,05	down
5792071	7339379	1718359	---	---	---	1,12	down
5792097	7331434	1699210	---	---	---	1,02	down
5792201	7292364	1602104	---	---	---	1,11	up
5792278	7210387	1400038	---	---	---	1,16	down
5792583	7248790	1494498	---	---	---	1,07	up
5792659	7361073	1772328	---	---	---	1,09	up
5792697	7069253	1054166	---	---	---	2,55	up
5792750	7330727	1697143	---	---	---	2,99	up
5792813	7345465	1733842	---	---	---	1,39	down
5792877	7225304	1435312	---	---	---	1,22	up
5792972	7060851	1033416	---	---	---	1,14	down
5792984	7369706	1794801	---	---	---	1,07	up
5793020	7376566	1812888	---	---	---	1,28	up
5793029	7358859	1767017	---	---	---	1,10	down
5793105	7292517	1602546	---	---	---	1,19	down
5793152	7102976	1135061	---	---	---	1,45	up
5793160	7373038	1804283	---	---	---	1,45	down
5793162	7033672	970354	---	---	---	1,37	down
5793263	7374790	1808765	---	---	---	1,56	down
5793267	7025652	950334	---	---	---	1,05	up
5793332	7086966	1095287	---	---	---	1,03	down
5793362	7108300	1147910	---	---	---	1,05	up
5793435	7133612	1210297	---	---	---	1,04	down
5793532	7112562	1158610	---	---	---	1,36	up
5793647	7047524	1004656	---	---	---	1,83	down
5793651	7060851	1033433	---	---	---	1,62	down
5794000	7088135	1098419	---	---	---	1,26	down
5794003	7373732	1805974	---	---	---	1,54	up
5794093	7099650	1126883	---	---	---	1,03	down
5794100	7210263	1399752	---	---	---	1,02	down
5794110	7052813	1015942	---	---	---	1,23	down
5794119	7281077	1575562	---	---	---	1,09	up
5794181	7358859	1766976	---	---	---	1,15	up
5794233	7269641	1546250	---	---	---	1,26	up
5794410	7133612	1210203	---	---	---	1,13	down
5794486	7027795	956273	---	---	---	1,08	down
5794519	7036559	977262	---	---	---	1,18	up
5794585	7029052	958798	---	---	---	1,06	up
5794604	7132125	1206614	---	---	---	1,04	up
5794605	7103782	1136947	---	---	---	1,06	down
5794635	7363674	1778411	---	---	---	1,40	up
5794651	7114108	1162450	---	---	---	1,31	down
5794745	7352635	1751445	---	---	---	1,50	up

5794766	7293646	1605408	---	---	---	1,02	down
5794931	7311218	1650340	---	---	---	1,33	up
5795016	7235521	1462163	---	---	---	1,26	up
5795020	7331297	1698810	---	---	---	1,01	up
5795067	7059020	1029335	---	---	---	1,13	down
5795113	7278957	1570393	---	---	---	1,18	up
5795128	7121866	1181882	---	---	---	1,51	up
5795177	7084993	1090671	---	---	---	1,08	up
5795274	7353441	1753345	---	---	---	1,39	up
5795279	7198210	1370964	---	---	---	1,04	up
5795345	7249503	1496176	---	---	---	1,21	up
5795435	7364995	1781297	---	---	---	1,10	up
5795520	7173863	1309664	---	---	---	1,06	down
5795531	7076236	1071214	---	---	---	1,02	up
5795557	7139708	1225052	---	---	---	1,12	down
5795631	7043379	993594	---	---	---	1,03	down
5795636	7307721	1642002	---	---	---	1,10	up
5795729	7180861	1327184	---	---	---	1,02	down
5795790	7248964	1494937	---	---	---	1,14	down
5795863	7050780	1011388	---	---	---	1,09	up
5796009	7198210	1371002	---	---	---	1,10	up
5796028	7308679	1644246	---	---	---	2,96	down
5796126	7268457	1543641	---	---	---	1,34	up
5796219	7331413	1699139	---	---	---	1,21	down
5796267	7359551	1768625	---	---	---	1,29	up
5796320	7039589	984514	---	---	---	1,53	up
5796378	7333100	1702836	---	---	---	1,12	up
5796428	7297589	1615603	---	---	---	1,00	down
5796436	7173863	1309701	---	---	---	1,21	down
5796452	7197056	1367847	---	---	---	1,08	up
5796456	7350237	1745471	---	---	---	1,00	up
5796511	7373417	1805102	---	---	---	1,03	up
5796512	7340304	1720853	---	---	---	1,28	down
5796528	7263152	1530380	---	---	---	1,17	up
5796630	7093806	1112166	---	---	---	3,46	down
5796857	7071714	1060351	---	---	---	1,07	down
5796893	7316644	1664006	---	---	---	1,04	down
5796903	7240569	1475461	---	---	---	1,13	down
5797147	7384179	1829797	---	---	---	1,77	down
5797182	7358048	1764796	---	---	---	1,15	up
5797231	7108551	1148706	---	---	---	1,29	down
5797246	7253408	1505953	---	---	---	1,18	up
5797301	7359551	1768623	---	---	---	1,31	down
5797376	7041584	989453	---	---	---	1,19	up
5797421	7154655	1262313	---	---	---	1,35	down
5797445	7211363	1402045	---	---	---	1,08	up
5797525	7099573	1126728	---	---	---	1,17	down
5797607	7152974	1257659	---	---	---	1,34	up
5797624	7339286	1718105	---	---	---	1,57	up
5797628	7344406	1731239	---	---	---	1,05	up
5797685	7090278	1104135	---	---	---	1,25	up
5797732	7100257	1128284	---	---	---	1,01	up
5797738	7334347	1705778	---	---	---	1,03	down
5797810	7058713	1028670	---	---	---	1,01	down
5797867	7131360	1204986	---	---	---	1,29	up
5797881	7238202	1468952	---	---	---	1,07	down

5797968	7065265	1044574	---	---	---	1,52	up
5797972	7316644	1664015	---	---	---	1,36	down
5798150	7145669	1240015	---	---	---	1,12	down
5798199	7131360	1204969	---	---	---	1,12	up
5798287	7356115	1760137	---	---	---	1,37	down
5798294	7046605	1002431	---	---	---	1,48	up
5798303	7229856	1447074	---	---	---	1,08	up
5798392	7236358	1464262	---	---	---	1,26	up
5798427	7235069	1460979	---	---	---	1,19	up
5798429	7070836	1058330	---	---	---	1,25	down
5798475	7225553	1435991	---	---	---	1,48	up
5798551	7217650	1417191	---	---	---	1,22	down
5798646	7266706	1538749	---	---	---	1,60	down
5798666	7231152	1450269	---	---	---	1,40	up
5798673	7260553	1524109	---	---	---	1,21	down
5798800	7084999	1090700	---	---	---	1,33	down
5798909	7198210	1370961	---	---	---	1,08	down
5799065	7071681	1060274	---	---	---	1,04	up
5799069	7143455	1234714	---	---	---	1,72	down
5799084	7281950	1577791	---	---	---	1,08	down
5799097	7237719	1467485	---	---	---	2,13	down
5799214	7198210	1370997	---	---	---	1,04	up
5799230	7240232	1474428	---	---	---	1,59	down
5799270	7095021	1115129	---	---	---	1,07	down
5799271	7189574	1348693	---	---	---	1,05	down
5799288	7037764	979982	---	---	---	1,50	up
5799426	7337260	1712806	---	---	---	1,33	up
5799438	7374740	1808618	---	---	---	1,15	up
5799576	7240569	1475457	---	---	---	1,37	down
5799584	7259923	1522531	---	---	---	1,04	down
5799637	7216132	1413392	---	---	---	1,83	down
5799710	7200129	1375996	---	---	---	1,76	down
5799719	7197056	1367844	---	---	---	1,12	up
5799755	7033672	970346	---	---	---	1,08	up
5799977	7373633	1805708	---	---	---	1,25	up
5800162	7367971	1789125	---	---	---	1,00	down
5800195	7024628	947422	---	---	---	2,26	up
5800389	7079673	1078749	---	---	---	1,26	up
5800405	7247954	1492358	---	---	---	1,10	up
5800414	7358623	1766290	---	---	---	1,50	up
5800428	7144135	1236327	---	---	---	1,66	down
5800434	7330078	1695470	---	---	---	1,18	up
5800462	7373906	1806359	---	---	---	1,67	up
5800463	7248790	1494501	---	---	---	1,29	down
5800581	7120379	1178332	---	---	---	1,29	down
5800661	7210135	1399456	---	---	---	1,32	up
5800665	7051009	1011793	---	---	---	1,15	down
5800725	7064220	1041759	---	---	---	1,41	down
5800869	7319937	1672298	---	---	---	1,63	up
5800947	7144135	1236326	---	---	---	1,09	up
5801055	7113984	1162226	---	---	---	1,51	up
5801115	7182056	1330597	---	---	---	1,48	up
5801160	7062927	1038619	---	---	---	1,17	down
5801269	7098810	1124656	---	---	---	1,01	down
5801337	7086966	1095292	---	---	---	1,71	up
5801359	7350489	1746112	---	---	---	1,34	down

5801424	7096859	1119318	---	---	2,01	up
5801645	7211343	1401970	---	---	1,21	down
5801700	7031774	964706	---	---	1,39	down
5801729	7356115	1760134	---	---	1,17	down
5801733	7228520	1443769	---	---	1,60	down
5801788	7050167	1009818	---	---	1,03	down
5801819	7117526	1171002	---	---	3,42	up
5801913	7336449	1710627	---	---	1,13	down
5801995	7093936	1112474	---	---	2,07	down
5802084	7065265	1044557	---	---	1,08	up
5802091	7075424	1069293	---	---	1,11	up
5802094	7209927	1398942	---	---	1,06	up
5802097	7148978	1248500	---	---	1,02	up
5802189	7257976	1517705	---	---	1,50	up
5802235	7363674	1778441	---	---	2,15	down
5802256	7181016	1327781	---	---	1,10	up
5802278	7092549	1109160	---	---	1,03	up
5802340	7344406	1731195	---	---	1,28	down
5802468	7033451	969772	---	---	1,61	down
5802509	7092549	1109148	---	---	1,01	up
5802512	7374842	1808972	---	---	1,05	down
5802657	7070836	1058360	---	---	1,10	down
5802711	7291032	1599338	---	---	1,01	up
5802824	7260613	1524276	---	---	1,01	down
5802842	7331297	1698810	---	---	1,28	up
5802888	7159642	1274219	---	---	1,05	down
5802927	7271008	1549960	---	---	1,11	up
5803046	7339379	1718317	---	---	1,35	up
5803118	7260613	1524270	---	---	1,02	up
5803228	7060851	1033418	---	---	1,38	down
5803309	7248790	1494514	---	---	1,66	up
5803366	7185483	1338940	---	---	1,03	down
5803372	7073577	1064760	---	---	1,56	up
5803443	7249503	1496207	---	---	1,22	up
5803444	7214605	1409396	---	---	1,47	up
5803537	7131550	1205557	---	---	1,06	up
5803602	7186106	1340494	---	---	1,69	up
5803825	7051009	1011792	---	---	1,01	up
5803838	7259923	1522529	---	---	1,01	up
5804143	7075424	1069281	---	---	1,17	down
5804176	7267802	1541833	---	---	1,01	up
5804250	7314270	1657740	---	---	1,29	down
5804271	7350489	1746117	---	---	1,12	up
5804384	7282343	1578664	---	---	1,12	up
5804446	7239939	1473796	---	---	1,51	up
5804601	7126658	1193137	---	---	1,23	up
5804624	7186305	1341000	---	---	1,34	down
5804626	7064856	1043215	---	---	1,21	down
5804729	7316644	1664003	---	---	1,17	up
5804778	7358859	1766985	---	---	1,02	up
5804813	7143904	1235814	---	---	1,06	down
5804888	7174149	1310532	---	---	1,11	down
5804910	7037764	980095	---	---	1,20	down
5805015	7097240	1120364	---	---	1,10	up
5805068	7337224	1712604	---	---	1,09	down
5805121	7365183	1781916	---	---	1,21	up

5805141	7025652	950331	---	---	---	1,55	down
5805287	7384179	1829774	---	---	---	1,23	up
5805313	7277783	1567471	---	---	---	2,34	up
5805431	7112225	1157577	---	---	---	1,16	up
5805520	7235069	1460968	---	---	---	1,04	up
5805526	7293049	1603880	---	---	---	1,31	up
5805589	7212735	1405024	---	---	---	1,02	down
5805737	7127540	1195271	---	---	---	1,34	up
5805787	7064134	1041446	---	---	---	1,06	down
5805841	7095021	1115119	---	---	---	1,10	up
5805940	7308679	1644254	---	---	---	3,30	down
5806018	7156052	1265743	---	---	---	1,37	up
5806053	7031774	964751	---	---	---	1,26	down
5806055	7274780	1559254	---	---	---	1,20	down
5806101	7097680	1121736	---	---	---	1,30	up
5806133	7031774	964761	---	---	---	1,17	down
5806145	7039223	983553	---	---	---	1,27	up
5806233	7346066	1735320	---	---	---	1,60	down
5806268	7303722	1631711	---	---	---	1,34	up
5806331	7039463	984254	---	---	---	1,52	down
5806377	7356115	1760127	---	---	---	1,09	down
5806420	7184981	1337850	---	---	---	1,24	down
5806465	7294264	1606835	---	---	---	1,46	down
5806610	7034756	973241	---	---	---	1,40	up
5806611	7127540	1195293	---	---	---	1,55	down
5806702	7171047	1302365	---	---	---	1,08	up
5806850	7117187	1170160	---	---	---	1,04	up
5806899	7147809	1245456	---	---	---	1,25	down
5806917	7368729	1792054	---	---	---	1,43	down
5807105	7345882	1734813	---	---	---	1,06	down
5807129	7292517	1602533	---	---	---	1,25	down
5807304	7231203	1450411	---	---	---	1,01	down
5807350	7323545	1679965	---	---	---	1,11	down
5807403	7087965	1098046	---	---	---	1,10	down
5807419	7142081	1230989	---	---	---	2,24	up
5807496	7364346	1779971	---	---	---	1,14	up
5807502	7099573	1126730	---	---	---	1,17	up
5807573	7339379	1718350	---	---	---	1,21	down
5807677	7028624	957997	---	---	---	1,28	down
5807768	7329135	1693500	---	---	---	1,05	up
5807779	7025652	950256	---	---	---	1,24	down
5807795	7056333	1023671	---	---	---	1,15	up
5807825	7344406	1731188	---	---	---	1,29	down
5808034	7327650	1689694	---	---	---	1,85	down
5808066	7241136	1476723	---	---	---	1,07	up
5808092	7218259	1418785	---	---	---	1,17	up
5808113	7289909	1596508	---	---	---	1,16	down
5808233	7379957	1820633	---	---	---	1,12	up
5808257	7162144	1280496	---	---	---	1,40	down
5808290	7280743	1574540	---	---	---	1,05	up
5808312	7263401	1530978	---	---	---	1,55	down
5808321	7118356	1173203	---	---	---	1,10	up
5808334	7062173	1037024	---	---	---	1,02	up
5808428	7293757	1605692	---	---	---	1,20	up
5808540	7210263	1399752	---	---	---	1,11	down
5808605	7068259	1051606	---	---	---	1,04	up

5808620	7232029	1452727	---	---	---	1,01	down
5808903	7181961	1330347	---	---	---	1,08	up
5808918	7359551	1768623	---	---	---	1,62	down
5808965	7139709	1225076	---	---	---	1,02	down
5808985	7091954	1107732	---	---	---	1,02	down
5808992	7049399	1008352	---	---	---	1,39	down
5809009	7373417	1805088	---	---	---	1,40	up
5809135	7373678	1805862	---	---	---	1,24	up
5809142	7132125	1206619	---	---	---	1,03	up
5809209	7068942	1053388	---	---	---	1,00	up
5809285	7068143	1051298	---	---	---	1,06	up
5809364	7350993	1747542	---	---	---	1,30	up
5809382	7036975	978058	---	---	---	1,32	up
5809588	7068259	1051654	---	---	---	1,14	up
5809598	7247334	1490820	---	---	---	1,06	down
5809630	7167507	1293131	---	---	---	1,07	down
5809646	7049399	1008371	---	---	---	1,09	down
5809689	7040260	986065	---	---	---	1,06	down
5809867	7079600	1078633	---	---	---	1,25	down
5809966	7229886	1447144	---	---	---	1,38	down
5810040	7339387	1718381	---	---	---	1,70	up
5810054	7193056	1358250	---	---	---	1,72	up
5810061	7092549	1109187	---	---	---	1,15	down
5810072	7319151	1670133	---	---	---	1,41	down
5810116	7339110	1717617	---	---	---	1,36	up
5810184	7275103	1560206	---	---	---	1,11	up
5810274	7092549	1109171	---	---	---	1,24	down
5810360	7358048	1764808	---	---	---	1,13	up
5810422	7323545	1679939	---	---	---	1,12	up
5810522	7380497	1821859	---	---	---	1,87	down
5810588	7361042	1772277	---	---	---	1,09	down
5810624	7041609	989585	---	---	---	1,04	down
5810652	7061703	1035736	---	---	---	1,23	up
5810659	7047524	1004666	---	---	---	1,25	down
5810698	7350993	1747536	---	---	---	1,22	down
5810857	7280743	1574536	---	---	---	1,00	up
5810893	7097525	1121068	---	---	---	1,28	down
5810922	7068942	1053385	---	---	---	1,09	down
5810967	7222221	1428088	---	---	---	1,00	down
5811159	7243130	1480829	---	---	---	1,06	up
5811194	7376206	1811981	---	---	---	1,02	up
5811213	7339379	1718358	---	---	---	1,03	up
5811453	7308679	1644245	---	---	---	1,89	down
5811518	7052331	1014575	---	---	---	1,26	down
5811681	7336931	1711862	---	---	---	1,03	down
5811699	7086522	1093944	---	---	---	1,19	down
5811730	7107321	1145325	---	---	---	1,60	down
5811761	7143455	1234735	---	---	---	1,12	up
5811803	7050557	1010796	---	---	---	1,14	up
5811812	7315571	1661010	---	---	---	2,68	up
5811949	7142081	1230951	---	---	---	1,16	down
5812030	7214605	1409392	---	---	---	1,34	down
5812216	7142853	1232903	---	---	---	1,59	down
5812228	7248790	1494542	---	---	---	1,37	down
5812254	7170764	1301480	---	---	---	1,11	up
5812272	7299512	1620557	---	---	---	1,18	up

5812318	7359453	1768449	---	---	---	1,20	down
5812342	7088625	1099874	---	---	---	1,15	down
5812374	7341397	1723632	---	---	---	1,30	up
5812505	7058813	1028898	---	---	---	1,79	up
5812591	7278957	1570394	---	---	---	1,30	up
5812641	7112225	1157598	---	---	---	1,07	up
5812679	7276231	1563100	---	---	---	1,23	down
5812740	7266778	1538854	---	---	---	1,19	down
5812783	7369939	1795615	---	---	---	1,17	down
5812802	7108300	1147903	---	---	---	1,06	up
5812848	7365093	1781622	---	---	---	1,53	down
5812865	7127540	1195301	---	---	---	1,11	up
5812925	7333462	1703648	---	---	---	1,23	down
5812954	7127257	1194804	---	---	---	1,07	up
5813027	7271128	1550314	---	---	---	1,27	down
5813066	7111361	1155607	---	---	---	1,41	up
5813191	7247228	1490517	---	---	---	1,19	down
5813277	7339110	1717608	---	---	---	1,40	up
5813321	7196803	1367340	---	---	---	1,20	up
5813585	7351953	1749875	---	---	---	1,76	down
5813594	7065265	1044574	---	---	---	1,24	down
5813627	7053874	1018338	---	---	---	1,03	up
5813639	7329846	1694996	---	---	---	1,38	down
5813663	7248790	1494487	---	---	---	1,76	down
5813687	7038530	981879	---	---	---	1,53	down
5813753	7073950	1065939	---	---	---	1,17	down
5813769	7146000	1240658	---	---	---	1,25	down
5813804	7181016	1327779	---	---	---	1,24	up
5813938	7341397	1723651	---	---	---	1,01	down
5813975	7064468	1042366	---	---	---	1,00	up
5814031	7033337	969489	---	---	---	1,08	down
5814115	7316644	1664002	---	---	---	1,23	up
5814131	7270574	1548527	---	---	---	1,62	down
5814174	7152726	1257081	---	---	---	1,10	up
5814205	7344406	1731211	---	---	---	1,57	up
5814278	7260613	1524267	---	---	---	1,48	up
5814282	7379957	1820632	---	---	---	1,27	down
5814445	7363768	1778601	---	---	---	1,57	up
5814451	7226241	1437795	---	---	---	1,59	up
5814463	7039223	983561	---	---	---	1,35	up
5814735	7230886	1449547	---	---	---	1,09	up
5814743	7229856	1447084	---	---	---	1,43	down
5814788	7034353	972126	---	---	---	1,51	up
5814819	7367948	1788968	---	---	---	1,25	up
5814837	7155624	1264724	---	---	---	1,01	up
5814874	7156372	1266713	---	---	---	1,13	down
5814941	7263152	1530376	---	---	---	1,41	down
5814994	7240224	1474389	---	---	---	1,13	up
5815020	7208710	1395899	---	---	---	1,05	up
5815184	7192914	1357821	---	---	---	1,42	up
5815236	7226241	1437810	---	---	---	1,61	down
5815246	7384509	1830745	---	---	---	1,35	down
5815260	7031774	964699	---	---	---	1,38	up
5815384	7373634	1805724	---	---	---	1,67	up
5815448	7072765	1062743	---	---	---	1,25	down
5815477	7368804	1792261	---	---	---	1,11	down

5815640	7279303	1571206	---	---	---	2,76	down
5815685	7378878	1818324	---	---	---	1,04	up
5815751	7264274	1533172	---	---	---	1,33	up
5815776	7162144	1280507	---	---	---	1,33	down
5816203	7190582	1351376	---	---	---	1,27	down
5816219	7232340	1453535	---	---	---	1,63	down
5816337	7258323	1518477	---	---	---	4,99	down
5816373	7350489	1746123	---	---	---	2,38	up
5816468	7064468	1042370	---	---	---	1,00	down
5816532	7263152	1530357	---	---	---	1,31	up
5816534	7193513	1359467	---	---	---	1,26	down
5816587	7350993	1747544	---	---	---	2,07	down
5816664	7068259	1051609	---	---	---	1,53	up
5816780	7350993	1747524	---	---	---	1,06	up
5816806	7051009	1011789	---	---	---	1,31	up
5816825	7180687	1326630	---	---	---	1,03	up
5816847	7060851	1033427	---	---	---	1,12	down
5816894	7373633	1805707	---	---	---	1,25	up
5816982	7214605	1409369	---	---	---	1,09	up
5817022	7075445	1069344	---	---	---	1,75	up
5817073	7050726	1011257	---	---	---	1,38	up
5817157	7198210	1370980	---	---	---	1,10	up
5817161	7288397	1592977	---	---	---	1,37	up
5817172	7233425	1456776	---	---	---	1,64	down
5817291	7329846	1694991	---	---	---	1,28	up
5817358	7249503	1496207	---	---	---	1,19	down
5817402	7361223	1772629	---	---	---	1,27	up
5817525	7332059	1700725	---	---	---	1,20	up
5817549	7338807	1716812	---	---	---	1,23	up
5817632	7243130	1480831	---	---	---	1,22	up
5817790	7312942	1654171	---	---	---	1,16	up
5817915	7171034	1302292	---	---	---	1,30	up
5817949	7323545	1679921	---	---	---	1,29	down
5817954	7325674	1685220	---	---	---	2,62	down
5818010	7031774	964724	---	---	---	1,14	up
5818108	7307721	1641996	---	---	---	1,00	up
5818117	7193644	1359709	---	---	---	1,14	down
5818125	7065655	1045242	---	---	---	1,39	up
5818166	7036412	976853	---	---	---	1,17	down
5818222	7299512	1620553	---	---	---	1,26	down
5818719	7316644	1664010	---	---	---	1,63	down
5818727	7098077	1122799	---	---	---	1,13	up
5818743	7193644	1359708	---	---	---	1,02	down
5818794	7032618	967333	---	---	---	1,02	up
5818948	7181105	1327967	---	---	---	1,61	down
5819007	7072765	1062749	---	---	---	1,13	up
5819083	7217679	1417322	---	---	---	1,22	up
5819102	7156061	1265843	---	---	---	1,04	down
5819120	7040260	986070	---	---	---	1,26	up
5819229	7274892	1559578	---	---	---	1,31	down
5819233	7034293	971996	---	---	---	1,47	down
5819244	7146093	1240933	---	---	---	1,20	up
5819267	7224166	1432687	---	---	---	1,19	down
5819334	7337224	1712592	---	---	---	1,08	down
5819372	7088625	1099872	---	---	---	1,05	down
5819397	7344702	1732140	---	---	---	1,00	up

5819404	7188681	1346298	---	---	---	2,27	up
5819432	7088489	1099530	---	---	---	1,22	down
5819508	7246866	1489791	---	---	---	1,24	down
5819510	7253408	1505932	---	---	---	1,13	down
5819515	7047524	1004658	---	---	---	1,05	up
5819532	7358859	1766975	---	---	---	1,22	down
5819581	7070836	1058359	---	---	---	1,27	down
5819629	7293049	1603888	---	---	---	1,51	up
5819681	7238115	1468633	---	---	---	1,50	down
5819702	7045955	1000740	---	---	---	1,98	down
5819714	7108300	1147916	---	---	---	1,12	down
5819731	7344530	1731580	---	---	---	1,09	up
5819799	7243603	1482277	---	---	---	1,02	down
5819908	7325674	1685225	---	---	---	1,20	up
5820082	7297274	1614662	---	---	---	1,06	down
5820130	7287222	1589740	---	---	---	1,10	up
5820265	7037235	978574	---	---	---	1,05	down
5820457	7244290	1484146	---	---	---	1,07	up
5820475	7181016	1327790	---	---	---	1,14	down
5820481	7034756	973227	---	---	---	2,08	down
5820486	7198210	1370998	---	---	---	1,28	down
5820522	7283819	1582121	---	---	---	1,42	down
5820560	7243130	1480832	---	---	---	1,01	down
5820575	7376820	1813413	---	---	---	1,40	up
5820620	7087965	1098049	---	---	---	1,33	down
5820651	7098126	1122971	---	---	---	1,48	up
5820658	7068853	1053105	---	---	---	1,21	down
5820765	7097680	1121746	---	---	---	1,13	up
5820871	7210713	1400752	---	---	---	1,51	up
5821015	7088164	1098476	---	---	---	1,31	up
5821048	7197056	1367847	---	---	---	1,49	down
5821309	7312575	1653361	---	---	---	1,72	up
5821331	7350993	1747501	---	---	---	1,22	down
5821420	7145669	1240016	---	---	---	1,09	up
5821425	7323545	1679959	---	---	---	1,72	down
5821440	7113483	1161014	---	---	---	1,07	down
5821511	7284359	1583434	---	---	---	1,07	down
5821531	7364346	1780019	---	---	---	1,19	up
5821559	7154584	1262108	---	---	---	1,48	down
5821658	7378981	1818552	---	---	---	1,21	down
5821748	7037235	978576	---	---	---	1,10	up
5821846	7357813	1764121	---	---	---	1,00	up
5821977	7116614	1168795	---	---	---	1,00	down
5822061	7362184	1774827	---	---	---	1,05	down
5822105	7086522	1093957	---	---	---	1,89	down
5822121	7276650	1564125	---	---	---	1,60	down
5822134	7030518	961683	---	---	---	1,60	up
5822155	7180861	1327184	---	---	---	1,07	down
5822203	7273983	1557522	---	---	---	2,35	up
5822312	7349946	1744934	---	---	---	1,53	down
5822340	7364995	1781296	---	---	---	1,06	up
5822392	7373678	1805866	---	---	---	1,18	up
5822661	7172373	1305579	---	---	---	1,28	up
5822725	7357566	1763485	---	---	---	2,02	down
5822772	7073673	1065088	---	---	---	1,55	down
5822835	7121866	1181882	---	---	---	1,16	up

5823114	7067828	1050788	---	---	---	1,25	up
5823157	7115362	1165605	---	---	---	1,27	down
5823159	7236726	1465058	---	---	---	1,09	down
5823317	7247228	1490528	---	---	---	1,24	up
5823318	7378997	1818643	---	---	---	1,13	down
5823359	7179785	1324498	---	---	---	1,30	down
5823427	7218259	1418802	---	---	---	2,13	up
5823481	7248790	1494551	---	---	---	1,74	down
5823523	7331434	1699213	---	---	---	1,09	up
5823672	7088164	1098459	---	---	---	1,57	up
5823699	7101400	1130909	---	---	---	1,72	down
5823793	7301900	1626741	---	---	---	1,36	down
5823943	7258670	1519344	---	---	---	1,05	up
5823982	7323545	1679981	---	---	---	1,71	up
5824002	7299512	1620553	---	---	---	1,20	down
5824041	7127540	1195297	---	---	---	1,21	down
5824043	7336250	1710171	---	---	---	1,23	down
5824103	7263152	1530373	---	---	---	1,16	down
5824126	7281923	1577693	---	---	---	1,47	up
5824320	7138047	1221238	---	---	---	1,03	up
5824371	7050930	1011625	---	---	---	1,13	down
5824641	7340057	1720331	---	---	---	1,32	down
5824737	7069830	1055588	---	---	---	1,71	down
5824777	7031774	964726	---	---	---	1,00	up
5824840	7248790	1494510	---	---	---	1,02	down
5824859	7315571	1661011	---	---	---	2,03	up
5825013	7238115	1468582	---	---	---	1,14	up
5825064	7216132	1413398	---	---	---	1,01	down
5825108	7376820	1813398	---	---	---	1,96	up
5825130	7243130	1480915	---	---	---	1,16	down
5825149	7039223	983573	---	---	---	1,30	up
5825275	7232340	1453530	---	---	---	1,24	up
5825328	7131360	1204969	---	---	---	1,21	up
5825332	7052385	1014793	---	---	---	1,05	up
5825399	7069464	1054660	---	---	---	1,97	down
5825432	7286807	1588832	---	---	---	1,03	up
5825471	7192696	1357177	---	---	---	1,06	up
5825591	7163227	1282805	---	---	---	1,60	down
5825685	7068853	1053096	---	---	---	1,41	down
5825844	7266706	1538746	---	---	---	1,10	up
5825971	7200545	1376920	---	---	---	1,49	up
5826008	7350237	1745484	---	---	---	1,08	down
5826059	7248964	1494938	---	---	---	1,14	down
5826146	7268457	1543637	---	---	---	1,19	up
5826285	7068504	1052169	---	---	---	1,04	down
5826380	7036975	978064	---	---	---	2,14	down
5826503	7049118	1007763	---	---	---	1,20	up
5826537	7034532	972653	---	---	---	1,08	down
5826850	7098810	1124648	---	---	---	1,42	down
5826857	7331413	1699137	---	---	---	1,08	up
5826861	7357815	1764135	---	---	---	1,19	up
5826915	7358859	1767013	---	---	---	1,96	up
5827060	7146982	1243295	---	---	---	1,30	up
5827100	7381352	1823744	---	---	---	1,21	up
5827122	7340990	1722508	---	---	---	1,15	up
5827143	7240569	1475393	---	---	---	1,69	down

5827186	7068853	1053126	---	---	---	1,11	down
5827215	7260613	1524273	---	---	---	1,20	up
5827650	7203872	1384749	---	---	---	1,02	up
5827656	7360486	1771011	---	---	---	1,07	down
5827658	7156061	1265843	---	---	---	1,24	down
5827704	7225553	1435988	---	---	---	1,55	up
5827961	7103811	1137055	---	---	---	1,01	down
5828038	7180630	1326455	---	---	---	1,59	up
5828052	7188681	1346296	---	---	---	1,02	down
5828064	7244378	1484407	---	---	---	1,53	up
5828080	7351951	1749833	---	---	---	1,10	up
5828094	7112225	1157610	---	---	---	1,38	down
5828137	7068853	1053108	---	---	---	1,49	down
5828176	7033672	970351	---	---	---	1,36	up
5828205	7231835	1452289	---	---	---	1,09	down
5828217	7025652	950285	---	---	---	1,08	up
5828253	7071264	1059362	---	---	---	1,28	up
5828266	7025652	950333	---	---	---	1,00	up
5828304	7321029	1674832	---	---	---	1,56	up
5828499	7193056	1358271	---	---	---	1,18	up
5828622	7311218	1650353	---	---	---	1,00	down
5828731	7067670	1050307	---	---	---	1,70	up
5828893	7331829	1700178	---	---	---	1,11	up
5828899	7261019	1525281	---	---	---	1,77	down
5829392	7070869	1058470	---	---	---	1,04	up
5829455	7239752	1473177	---	---	---	1,45	down
5829521	7056333	1023676	---	---	---	1,01	down
5829598	7038669	982179	---	---	---	1,06	down
5829683	7043535	994105	---	---	---	1,38	down
5829735	7065265	1044574	---	---	---	1,03	down
5829797	7331434	1699217	---	---	---	1,59	up
5830008	7364346	1779994	---	---	---	1,22	up
5830271	7039589	984512	---	---	---	1,08	down
5830573	7360486	1770967	---	---	---	1,02	up
5830585	7133612	1210248	---	---	---	1,05	down
5830600	7323560	1680040	---	---	---	1,16	down
5830787	7242451	1479338	---	---	---	2,27	down
5830863	7162144	1280515	---	---	---	1,07	up
5830889	7218259	1418795	---	---	---	1,58	up
5830995	7358859	1766973	---	---	---	1,26	down
5831118	7038530	981871	---	---	---	1,74	up
5831123	7248790	1494489	---	---	---	1,54	up
5831355	7333462	1703638	---	---	---	1,04	down
5831489	7041609	989574	---	---	---	1,08	down
5831594	7068259	1051592	---	---	---	1,07	up
5831596	7032204	966120	---	---	---	1,00	down
5831638	7073950	1065905	---	---	---	1,35	down
5831709	7092549	1109134	---	---	---	1,15	up
5831776	7362184	1774818	---	---	---	1,15	up
5831880	7053874	1018311	---	---	---	1,17	up
5831910	7370843	1798376	---	---	---	1,88	up
5831954	7064468	1042334	---	---	---	1,20	up
5831989	7159036	1272969	---	---	---	1,41	up
5832051	7373633	1805703	---	---	---	1,29	down
5832114	7116103	1167596	---	---	---	4,24	up
5832233	7240569	1475464	---	---	---	1,26	up

5832237	7316644	1664033	---	---	---	1,02	up
5832277	7237719	1467488	---	---	---	1,04	down
5832278	7240665	1475818	---	---	---	1,20	up
5832330	7359426	1768372	---	---	---	1,11	down
5832472	7029770	960153	---	---	---	1,00	down
5832530	7350237	1745475	---	---	---	1,16	down
5832615	7274780	1559245	---	---	---	1,77	down
5832686	7222221	1428088	---	---	---	1,44	down
5832693	7093806	1112149	---	---	---	1,17	down
5832705	7320337	1673331	---	---	---	1,14	down
5832758	7172373	1305587	---	---	---	1,05	up
5832802	7036412	976863	---	---	---	1,29	down
5832955	7249503	1496208	---	---	---	1,01	down
5833001	7229856	1447072	---	---	---	1,37	down
5833004	7226241	1437806	---	---	---	1,11	down
5833080	7287222	1589716	---	---	---	1,24	down
5833112	7094139	1112921	---	---	---	1,27	down
5833176	7168858	1296832	---	---	---	2,06	down
5833184	7123421	1185828	---	---	---	1,07	down
5833248	7067614	1050196	---	---	---	1,27	down
5833304	7243647	1482418	---	---	---	1,61	down
5833365	7107926	1146838	---	---	---	1,13	down
5833520	7186688	1341848	---	---	---	1,23	down
5833587	7323545	1679943	---	---	---	1,04	up
5833611	7337522	1713618	---	---	---	1,41	down
5833618	7031774	964692	---	---	---	1,52	up
5833635	7060851	1033413	---	---	---	1,27	down
5833746	7345465	1733864	---	---	---	1,49	up
5833866	7350993	1747496	---	---	---	1,00	up
5833935	7189669	1348964	---	---	---	1,18	down
5834089	7284359	1583435	---	---	---	1,12	up
5834111	7037764	980074	---	---	---	1,27	down
5834148	7189689	1349054	---	---	---	1,15	up
5834307	7337522	1713593	---	---	---	1,31	down
5834354	7217650	1417185	---	---	---	1,09	up
5834465	7239752	1473190	---	---	---	1,03	up
5834479	7245874	1487596	---	---	---	1,07	up
5834514	7127691	1195631	---	---	---	1,30	down
5834612	7156061	1265843	---	---	---	1,27	down
5834694	7233923	1458164	---	---	---	1,35	down
5834737	7171034	1302275	---	---	---	1,04	up
5834943	7264808	1534465	---	---	---	1,06	down
5835042	7319259	1670402	---	---	---	1,26	up
5835158	7279194	1571005	---	---	---	1,25	up
5835161	7083031	1086286	---	---	---	1,00	up
5835162	7277783	1567457	---	---	---	2,83	up
5835298	7240569	1475478	---	---	---	1,30	down
5835559	7263248	1530617	---	---	---	1,21	down
5835722	7059584	1030547	---	---	---	1,16	down
5835760	7236358	1464221	---	---	---	1,02	up
5835773	7291054	1599408	---	---	---	1,35	up
5835819	7227313	1440674	---	---	---	1,24	down
5835872	7293757	1605684	---	---	---	1,07	up
5835915	7172988	1307278	---	---	---	1,10	up
5836010	7280743	1574488	---	---	---	1,16	down
5836250	7092549	1109141	---	---	---	1,21	down

5836303	7178060	1320158	---	---	---	1,03	up
5836455	7243603	1482282	---	---	---	1,23	down
5836474	7156061	1265825	---	---	---	1,42	down
5836488	7312566	1653299	---	---	---	1,30	down
5836513	7145669	1240007	---	---	---	1,04	up
5836542	7082098	1084116	---	---	---	1,20	up
5836638	7086751	1094625	---	---	---	1,15	down
5836681	7267380	1540398	---	---	---	1,28	down
5836704	7083021	1086216	---	---	---	1,15	up
5836707	7311218	1650351	---	---	---	1,06	down
5836877	7150631	1252164	---	---	---	1,37	down
5836993	7293757	1605679	---	---	---	1,04	down
5837046	7226272	1437947	---	---	---	1,24	up
5837080	7102976	1135047	---	---	---	1,14	down
5837107	7384509	1830754	---	---	---	1,16	up
5837118	7248964	1494940	---	---	---	1,44	down
5837151	7086966	1095249	---	---	---	1,12	up
5837269	7049399	1008385	---	---	---	1,52	down
5837574	7279303	1571206	---	---	---	1,68	down
5837585	7025652	950235	---	---	---	1,19	down
5837586	7056333	1023679	---	---	---	1,18	down
5837630	7031774	964779	---	---	---	1,15	down
5837659	7039589	984514	---	---	---	3,75	up
5837873	7336250	1710170	---	---	---	1,07	up
5837892	7059563	1030499	---	---	---	1,08	up
5837907	7239939	1473795	---	---	---	1,09	up
5838021	7092549	1109209	---	---	---	1,51	up
5838082	7050930	1011628	---	---	---	1,15	up
5838160	7378546	1817601	---	---	---	1,29	down
5838301	7240569	1475386	---	---	---	1,21	up
5838335	7199476	1374540	---	---	---	1,09	down
5838523	7333100	1702838	---	---	---	2,07	down
5838642	7189184	1347597	---	---	---	1,48	down
5838814	7117158	1170034	---	---	---	1,19	down
5838950	7028624	957994	---	---	---	1,06	up
5839018	7247229	1490543	---	---	---	1,07	up
5839131	7244290	1484149	---	---	---	1,35	up
5839335	7037764	980106	---	---	---	1,28	up
5839342	7073854	1065627	---	---	---	1,60	up
5839443	7245874	1487596	---	---	---	1,20	up
5839465	7143240	1234173	---	---	---	1,10	up
5839503	7068504	1052168	---	---	---	1,68	up
5839524	7321029	1674807	---	---	---	1,25	up
5839547	7344406	1731199	---	---	---	1,14	up
5839565	7162144	1280503	---	---	---	1,05	up
5839581	7321414	1675637	---	---	---	1,02	down
5839586	7368986	1792880	---	---	---	2,11	down
5839609	7193056	1358273	---	---	---	1,00	down
5839635	7154655	1262336	---	---	---	1,34	up
5839651	7083021	1086210	---	---	---	1,33	up
5839718	7277783	1567431	---	---	---	1,79	up
5839728	7025652	950220	---	---	---	1,04	up
5839737	7043535	994106	---	---	---	1,19	down
5839770	7200545	1376899	---	---	---	1,17	down
5840010	7314270	1657723	---	---	---	1,36	up
5840140	7378602	1817709	---	---	---	1,29	down

5840162	7301022	1624256	---	---	---	1,08	down
5840253	7172988	1307300	---	---	---	1,86	down
5840284	7036412	976876	---	---	---	1,00	up
5840360	7069830	1055644	---	---	---	1,46	down
5840374	7369712	1794831	---	---	---	1,01	down
5840493	7350993	1747556	---	---	---	1,01	up
5840532	7053878	1018372	---	---	---	1,03	up
5840548	7038316	981463	---	---	---	1,06	up
5840735	7232029	1452789	---	---	---	1,49	down
5840798	7256191	1512867	---	---	---	1,07	up
5840886	7034293	971907	---	---	---	1,33	down
5841054	7331297	1698805	---	---	---	1,49	down
5841057	7350993	1747502	---	---	---	1,17	up
5841131	7059020	1029346	---	---	---	1,08	up
5841146	7231775	1452134	---	---	---	2,58	down
5841238	7295410	1609793	---	---	---	1,02	down
5841315	7099517	1126503	---	---	---	1,60	down
5841418	7384509	1830743	---	---	---	1,02	up
5841430	7156061	1265838	---	---	---	1,07	up
5841527	7233923	1458163	---	---	---	2,25	down
5841703	7337845	1714352	---	---	---	1,15	down
5841721	7210600	1400525	---	---	---	1,17	down
5841764	7031774	964650	---	---	---	1,07	up
5841828	7384179	1829771	---	---	---	1,00	up
5841830	7279303	1571200	---	---	---	1,76	down
5841963	7240224	1474389	---	---	---	1,04	down
5842285	7156170	1266282	---	---	---	1,05	up
5842330	7236254	1464072	---	---	---	1,05	up
5842502	7277719	1567087	---	---	---	1,04	down
5842810	7035344	974297	---	---	---	1,06	down
5842833	7084993	1090683	---	---	---	1,40	up
5843009	7358048	1764815	---	---	---	1,20	up
5843013	7264797	1534444	---	---	---	1,20	down
5843176	7086966	1095287	---	---	---	2,05	down
5843226	7037764	979988	---	---	---	1,22	down
5843240	7311218	1650337	---	---	---	1,05	down
5843346	7038530	981885	---	---	---	1,24	down
5843382	7039463	984254	---	---	---	1,19	up
5843391	7256191	1512882	---	---	---	1,02	up
5843462	7226241	1437803	---	---	---	1,24	up
5843563	7087965	1098056	---	---	---	2,02	up
5843616	7340838	1722077	---	---	---	1,04	up
5843683	7374842	1808975	---	---	---	1,83	down
5843739	7247229	1490546	---	---	---	1,19	down
5843741	7096859	1119321	---	---	---	1,10	down
5843795	7357815	1764134	---	---	---	1,68	up
5843908	7364346	1779992	---	---	---	1,39	up
5843979	7083021	1086210	---	---	---	1,00	down
5843992	7286807	1588796	---	---	---	1,01	down
5844019	7098126	1122974	---	---	---	1,46	down
5844093	7340757	1721902	---	---	---	1,24	up
5844131	7179785	1324499	---	---	---	1,72	up
5844251	7117187	1170158	---	---	---	1,83	down
5844294	7236991	1465783	---	---	---	1,07	up
5844395	7108300	1147913	---	---	---	1,56	down
5844508	7364346	1779985	---	---	---	1,27	up

5844605	7217747	1417507	---	---	---	1,18	up
5844641	7038971	982983	---	---	---	1,43	down
5844827	7065655	1045265	---	---	---	1,18	up
5844920	7370128	1796168	---	---	---	1,03	up
5844942	7368986	1792880	---	---	---	1,60	down
5844953	7331297	1698803	---	---	---	1,44	down
5844984	7346066	1735323	---	---	---	2,39	down
5845004	7360486	1771009	---	---	---	1,36	down
5845128	7212735	1405028	---	---	---	1,00	up
5845142	7371682	1800776	---	---	---	1,65	down
5845228	7329846	1694992	---	---	---	1,19	up
5845230	7232340	1453528	---	---	---	1,77	down
5845313	7028624	957998	---	---	---	1,07	up
5845316	7290288	1597339	---	---	---	1,12	up
5845376	7217143	1415592	---	---	---	1,27	down
5845455	7068853	1053117	---	---	---	1,04	up
5845604	7364346	1779968	---	---	---	1,60	down
5845654	7233425	1456794	---	---	---	2,07	down
5845705	7065827	1045721	---	---	---	1,81	down
5845752	7280743	1574516	---	---	---	1,49	down
5845928	7181590	1329433	---	---	---	1,03	up
5846039	7380497	1821848	---	---	---	1,70	down
5846110	7192186	1355614	---	---	---	1,05	up
5846152	7287222	1589716	---	---	---	1,30	down
5846193	7096859	1119311	---	---	---	1,30	down
5846236	7189778	1349289	---	---	---	1,65	up
5846244	7180721	1326698	---	---	---	1,02	up
5846288	7069253	1054157	---	---	---	1,37	up
5846470	7343868	1729856	---	---	---	1,07	up
5846698	7253408	1505934	---	---	---	1,06	up
5846919	7098366	1123610	---	---	---	1,42	up
5846920	7189574	1348711	---	---	---	1,10	up
5847032	7352046	1750038	---	---	---	1,02	up
5847058	7378997	1818654	---	---	---	1,23	down
5847255	7232340	1453523	---	---	---	2,04	down
5847276	7358048	1764799	---	---	---	1,03	up
5847287	7148978	1248452	---	---	---	1,12	down
5847323	7180630	1326455	---	---	---	1,15	up
5847324	7249503	1496173	---	---	---	1,02	up
5847329	7168858	1296827	---	---	---	1,43	down
5847392	7176456	1315798	---	---	---	1,03	up
5847424	7268736	1544314	---	---	---	1,03	down
5847550	7051009	1011786	---	---	---	1,21	up
5847582	7069464	1054665	---	---	---	1,75	up
5847606	7263152	1530384	---	---	---	1,36	up
5847708	7339379	1718361	---	---	---	1,16	down
5847768	7357890	1764396	---	---	---	1,03	up
5847891	7030233	961161	---	---	---	2,14	up
5847938	7170764	1301484	---	---	---	1,13	down
5847978	7373633	1805711	---	---	---	1,26	up
5847987	7086664	1094285	---	---	---	1,28	down
5848096	7162177	1280583	---	---	---	1,13	up
5848179	7156052	1265752	---	---	---	1,10	down
5848606	7159027	1272742	---	---	---	1,06	up
5848667	7120827	1179299	---	---	---	3,17	down
5848811	7337522	1713620	---	---	---	1,90	up

5848819	7327169	1688463	---	---	---	1,15	up
5848824	7193644	1359713	---	---	---	1,49	down
5848826	7301890	1626677	---	---	---	3,19	up
5848884	7237719	1467530	---	---	---	1,13	up
5848897	7249503	1496210	---	---	---	1,18	up
5849025	7072754	1062659	---	---	---	1,08	up
5849185	7072765	1062745	---	---	---	1,14	up
5849208	7100257	1128235	---	---	---	1,16	up
5849229	7225553	1435971	---	---	---	1,07	up
5849260	7240569	1475499	---	---	---	1,03	up
5849298	7192696	1357182	---	---	---	1,02	up
5849303	7225553	1435980	---	---	---	1,40	down
5849568	7373678	1805875	---	---	---	1,06	up
5849603	7253272	1505575	---	---	---	1,07	down
5849609	7271213	1550633	---	---	---	1,20	up
5849654	7245921	1487689	---	---	---	1,59	down
5849754	7097680	1121714	---	---	---	1,17	down
5849775	7226241	1437767	---	---	---	1,03	down
5849826	7314270	1657722	---	---	---	1,36	down
5849863	7271643	1551700	---	---	---	1,64	up
5849911	7327650	1689735	---	---	---	1,22	up
5850136	7162959	1282086	---	---	---	1,07	down
5850158	7238115	1468672	---	---	---	1,42	down
5850196	7257976	1517713	---	---	---	1,04	up
5850228	7099573	1126737	---	---	---	1,07	down
5850282	7294264	1606860	---	---	---	1,10	up
5850320	7363765	1778591	---	---	---	1,08	up
5850453	7336250	1710171	---	---	---	1,22	down
5850457	7363576	1778170	---	---	---	1,01	down
5850641	7096842	1119235	---	---	---	1,03	down
5850659	7340990	1722516	---	---	---	1,28	down
5850756	7315206	1660025	---	---	---	1,67	down
5850793	7059766	1030980	---	---	---	1,07	up
5850815	7339379	1718352	---	---	---	1,08	down
5851015	7111427	1155764	---	---	---	1,32	down
5851086	7154655	1262329	---	---	---	1,13	up
5851286	7249737	1496747	---	---	---	1,30	up
5851381	7192696	1357180	---	---	---	1,02	up
5851397	7143240	1234173	---	---	---	2,21	down
5851413	7086966	1095275	---	---	---	1,38	down
5851508	7092549	1109163	---	---	---	1,46	down
5851520	7376820	1813452	---	---	---	1,28	up
5851595	7122486	1183425	---	---	---	1,33	up
5851671	7297589	1615669	---	---	---	1,08	up
5851815	7311218	1650357	---	---	---	1,01	up
5851881	7062529	1037855	---	---	---	1,57	down
5851987	7152038	1255396	---	---	---	1,08	down
5852058	7185622	1339216	---	---	---	1,02	up
5852118	7073928	1065799	---	---	---	1,81	down
5852199	7129688	1200557	---	---	---	1,43	down
5852217	7376566	1812885	---	---	---	1,02	down
5852222	7254040	1507605	---	---	---	1,02	down
5852291	7243363	1481603	---	---	---	1,28	down
5852378	7150497	1251810	---	---	---	1,26	up
5852430	7095021	1115135	---	---	---	1,36	up
5852503	7243647	1482435	---	---	---	1,35	down

5852634	7034293	971945	---	---	---	1,28	down
5852640	7172373	1305566	---	---	---	1,31	down
5852723	7053874	1018317	---	---	---	1,05	down
5852739	7312903	1654097	---	---	---	1,43	down
5852750	7181442	1328882	---	---	---	1,62	down
5852764	7329846	1695003	---	---	---	1,11	up
5852839	7307721	1641989	---	---	---	1,00	down
5853028	7222221	1428055	---	---	---	1,08	up
5853029	7146093	1240940	---	---	---	1,15	up
5853072	7249737	1496747	---	---	---	1,36	up
5853116	7240569	1475464	---	---	---	1,21	down
5853282	7083030	1086271	---	---	---	1,11	up
5853390	7265989	1537100	---	---	---	2,31	down
5853399	7131550	1205559	---	---	---	1,17	up
5853472	7297589	1615639	---	---	---	1,06	down
5853491	7245921	1487677	---	---	---	1,35	down
5853535	7190844	1352144	---	---	---	1,02	down
5853618	7156052	1265758	---	---	---	1,34	down
5853727	7034756	973228	---	---	---	1,21	up
5853733	7059584	1030549	---	---	---	1,14	down
5853766	7103337	1135963	---	---	---	1,07	up
5853896	7159177	1273330	---	---	---	1,09	up
5853912	7279568	1572034	---	---	---	1,13	up
5854054	7213945	1407837	---	---	---	1,32	up
5854084	7115362	1165609	---	---	---	1,19	up
5854184	7097680	1121738	---	---	---	1,22	up
5854191	7352100	1750204	---	---	---	1,31	down
5854287	7378997	1818673	---	---	---	1,16	up
5854314	7368613	1791618	---	---	---	1,38	up
5854333	7098411	1123703	---	---	---	1,13	up
5854359	7146245	1241377	---	---	---	1,12	down
5854386	7235393	1461705	---	---	---	4,53	down
5854399	7166439	1290103	---	---	---	1,78	down
5854448	7368954	1792772	---	---	---	1,08	down
5854461	7303616	1631386	---	---	---	1,26	up
5854574	7357815	1764129	---	---	---	1,25	down
5854601	7214605	1409372	---	---	---	1,19	down
5854699	7359426	1768376	---	---	---	1,12	down
5854739	7315206	1660028	---	---	---	1,15	down
5854807	7154584	1262120	---	---	---	1,08	down
5854943	7385134	1831974	---	---	---	1,27	up
5855017	7291129	1599590	---	---	---	2,44	up
5855064	7364346	1779969	---	---	---	1,00	down
5855158	7095262	1115646	---	---	---	1,15	up
5855193	7360486	1770952	---	---	---	1,79	down
5855201	7180861	1327223	---	---	---	1,21	down
5855212	7244288	1484094	---	---	---	1,83	up
5855442	7040260	986077	---	---	---	1,16	down
5855485	7256191	1512869	---	---	---	1,23	down
5855513	7043452	993835	---	---	---	1,02	down
5855550	7230698	1449068	---	---	---	1,36	down
5855562	7064468	1042379	---	---	---	1,00	up
5855668	7053874	1018334	---	---	---	1,07	down
5855825	7273881	1557314	---	---	---	1,24	down
5855867	7112225	1157537	---	---	---	1,36	up
5855882	7040260	986091	---	---	---	1,18	down

5855945	7171041	1302330	---	---	---	1,01	up
5856259	7280743	1574529	---	---	---	1,26	down
5856442	7064468	1042374	---	---	---	1,05	up
5856535	7236358	1464243	---	---	---	1,09	up
5856614	7331413	1699135	---	---	---	1,23	down
5856674	7351951	1749818	---	---	---	1,47	down
5856696	7059020	1029346	---	---	---	1,10	up
5856697	7233440	1456833	---	---	---	1,19	up
5856698	7274780	1559209	---	---	---	1,05	down
5856834	7114108	1162443	---	---	---	1,64	up
5856941	7092549	1109185	---	---	---	1,11	up
5857012	7280743	1574518	---	---	---	1,11	up
5857236	7031576	964104	---	---	---	1,19	down
5857286	7377583	1815454	---	---	---	1,79	down
5857496	7231835	1452275	---	---	---	1,02	up
5857512	7119930	1177229	---	---	---	1,07	up
5857513	7186440	1341263	---	---	---	1,02	down
5857575	7274780	1559252	---	---	---	1,12	up
5857610	7039463	984250	---	---	---	1,31	up
5857729	7303722	1631710	---	---	---	1,15	up
5857747	7361420	1773039	---	---	---	1,29	up
5857778	7243603	1482265	---	---	---	1,07	up
5857784	7363674	1778439	---	---	---	1,05	down
5857843	7049399	1008368	---	---	---	1,51	down
5857852	7312627	1653491	---	---	---	1,10	down
5858044	7133612	1210273	---	---	---	1,33	up
5858081	7041061	988072	---	---	---	2,70	down
5858156	7127540	1195270	---	---	---	1,29	down
5858263	7217747	1417504	---	---	---	1,06	up
5858381	7384904	1831595	---	---	---	1,04	up
5858404	7242490	1479428	---	---	---	1,06	down
5858436	7025652	950350	---	---	---	1,40	down
5858514	7101400	1130907	---	---	---	1,09	up
5858561	7311218	1650344	---	---	---	1,77	up
5858650	7193056	1358263	---	---	---	1,01	up
5858700	7070140	1056531	---	---	---	1,69	up
5858738	7235521	1462150	---	---	---	1,22	down
5859000	7117158	1169996	---	---	---	1,36	up
5859138	7095262	1115640	---	---	---	1,08	up
5859139	7210263	1399734	---	---	---	1,15	down
5859250	7358048	1764791	---	---	---	1,05	up
5859252	7193056	1358289	---	---	---	1,21	up
5859327	7378997	1818688	---	---	---	1,01	down
5859345	7247228	1490518	---	---	---	1,26	down
5859393	7149817	1250308	---	---	---	1,72	up
5859454	7232029	1452766	---	---	---	1,28	up
5859459	7363765	1778585	---	---	---	1,28	up
5859505	7274780	1559200	---	---	---	1,59	up
5859507	7050780	1011386	---	---	---	1,30	down
5859670	7369031	1793011	---	---	---	1,77	up
5859717	7033504	969858	---	---	---	1,56	down
5859804	7119930	1177227	---	---	---	1,33	down
5859871	7091954	1107709	---	---	---	1,15	up
5859890	7075424	1069282	---	---	---	1,21	up
5859915	7301879	1626622	---	---	---	1,23	down
5860035	7040260	986094	---	---	---	1,02	down

5860247	7258546	1519010	---	---	---	1,15	down
5860485	7339387	1718379	---	---	---	1,55	up
5860639	7196803	1367328	---	---	---	1,20	down
5860762	7056304	1023619	---	---	---	1,47	up
5860848	7229886	1447170	---	---	---	1,61	down
5860864	7162177	1280575	---	---	---	1,03	down
5860916	7059961	1031400	---	---	---	1,45	down
5861040	7243130	1480908	---	---	---	1,16	up
5861077	7084993	1090670	---	---	---	1,23	up
5861241	7120690	1179042	---	---	---	1,24	down
5861263	7119930	1177225	---	---	---	1,02	up
5861300	7336931	1711866	---	---	---	1,30	up
5861380	7174149	1310510	---	---	---	1,00	up
5861393	7039821	985073	---	---	---	1,56	down
5861464	7311218	1650343	---	---	---	1,42	down
5861467	7246866	1489791	---	---	---	1,10	down
5861507	7337224	1712609	---	---	---	2,17	down
5861530	7279568	1572026	---	---	---	1,10	down
5861570	7181086	1327928	---	---	---	1,92	down
5861593	7231835	1452288	---	---	---	1,21	up
5861693	7053878	1018359	---	---	---	1,04	down
5861802	7217650	1417175	---	---	---	1,38	down
5861927	7267802	1541816	---	---	---	1,23	down
5861988	7364948	1781217	---	---	---	1,22	down
5862177	7290288	1597341	---	---	---	1,04	up
5862202	7340258	1720743	---	---	---	1,07	down
5862252	7297589	1615657	---	---	---	1,07	down
5862279	7238202	1468947	---	---	---	1,10	up
5862385	7337224	1712619	---	---	---	1,73	down
5862405	7087282	1096160	---	---	---	1,33	up
5862437	7092965	1110194	---	---	---	1,16	up
5862487	7052567	1015256	---	---	---	1,24	down
5862516	7063873	1040651	---	---	---	1,56	down
5862536	7040260	986074	---	---	---	1,13	up
5862586	7303616	1631389	---	---	---	1,14	down
5862624	7338807	1716782	---	---	---	1,22	up
5862747	7271008	1549958	---	---	---	1,19	up
5862991	7042382	991289	---	---	---	1,03	up
5863086	7259923	1522521	---	---	---	1,28	up
5863167	7120827	1179353	---	---	---	1,56	up
5863229	7095021	1115131	---	---	---	1,52	down
5863259	7196029	1365626	---	---	---	1,94	down
5863267	7050930	1011617	---	---	---	1,33	down
5863305	7350237	1745477	---	---	---	1,23	up
5863323	7092965	1110162	---	---	---	1,19	up
5863327	7193056	1358268	---	---	---	1,15	down
5863397	7274780	1559231	---	---	---	1,04	up
5863439	7330737	1697217	---	---	---	1,46	up
5863535	7037235	978584	---	---	---	1,03	up
5863585	7320337	1673325	---	---	---	1,01	down
5863658	7281507	1576680	---	---	---	1,22	down
5863692	7384509	1830759	---	---	---	1,13	down
5863770	7196029	1365628	---	---	---	1,00	down
5863803	7071969	1060901	---	---	---	1,18	down
5863810	7373417	1805108	---	---	---	1,29	up
5863816	7097680	1121746	---	---	---	1,13	up

5863839	7332970	1702533	---	---	---	1,19	down
5864034	7217747	1417497	---	---	---	1,30	up
5864095	7176409	1315673	---	---	---	1,88	up
5864119	7078666	1076516	---	---	---	1,66	down
5864145	7320337	1673337	---	---	---	1,12	down
5864252	7222221	1428084	---	---	---	1,06	down
5864292	7344406	1731197	---	---	---	2,00	up
5864296	7040260	986095	---	---	---	1,07	down
5864367	7297589	1615666	---	---	---	1,03	down
5864385	7181105	1327962	---	---	---	1,08	down
5864535	7233012	1455403	---	---	---	1,13	up
5864551	7146982	1243292	---	---	---	1,34	down
5864582	7061003	1033923	---	---	---	1,20	up
5864602	7239939	1473797	---	---	---	1,01	up
5864650	7111573	1156032	---	---	---	1,15	up
5864707	7243647	1482463	---	---	---	1,09	up
5864757	7371643	1800649	---	---	---	1,22	up
5864973	7200545	1376917	---	---	---	1,11	up
5865000	7112225	1157614	---	---	---	1,09	up
5865014	7111573	1156029	---	---	---	1,03	up
5865024	7102113	1132824	---	---	---	1,09	down
5865115	7263248	1530602	---	---	---	1,64	down
5865127	7068942	1053386	---	---	---	1,23	down
5865174	7121866	1181878	---	---	---	1,45	down
5865200	7339286	1718108	---	---	---	1,08	down
5865246	7360486	1770954	---	---	---	1,01	down
5865388	7247848	1492047	---	---	---	1,49	down
5865508	7330238	1695939	---	---	---	1,02	down
5865527	7293454	1604951	---	---	---	1,12	up
5865721	7053878	1018361	---	---	---	1,64	down
5865751	7181442	1328882	---	---	---	1,26	down
5865909	7068259	1051652	---	---	---	1,13	up
5865912	7168858	1296827	---	---	---	1,09	down
5865932	7068259	1051637	---	---	---	1,10	down
5865957	7321465	1675747	---	---	---	1,59	up
5866038	7097454	1120880	---	---	---	1,24	down
5866081	7056333	1023709	---	---	---	1,81	down
5866160	7049399	1008333	---	---	---	1,49	down
5866171	7295410	1609782	---	---	---	1,06	down
5866271	7075096	1068578	---	---	---	1,29	down
5866272	7170764	1301490	---	---	---	1,25	up
5866314	7123421	1185833	---	---	---	2,67	down
5866343	7336931	1711872	---	---	---	1,41	down
5866368	7075445	1069339	---	---	---	1,44	down
5866410	7043535	994109	---	---	---	1,03	up
5866436	7031576	964108	---	---	---	2,11	down
5866458	7358859	1767009	---	---	---	1,21	up
5866518	7280743	1574500	---	---	---	1,26	up
5866552	7237438	1466787	---	---	---	1,40	down
5866607	7050167	1009800	---	---	---	1,01	up
5866615	7244288	1484094	---	---	---	1,19	down
5866643	7368006	1789352	---	---	---	1,24	down
5866700	7098077	1122727	---	---	---	2,02	up
5866715	7161992	1280158	---	---	---	1,02	down
5866885	7276231	1563100	---	---	---	1,76	down
5866927	7068504	1052167	---	---	---	1,10	down

5866993	7060851	1033441	---	---	---	1,27	up
5867103	7233359	1456510	---	---	---	1,24	down
5867201	7240569	1475329	---	---	---	1,03	up
5867386	7088489	1099521	---	---	---	1,03	up
5867550	7174149	1310500	---	---	---	1,55	down
5867623	7174114	1310431	---	---	---	1,14	up
5867755	7319937	1672276	---	---	---	1,18	up
5867756	7233012	1455410	---	---	---	1,67	up
5867761	7131103	1204357	---	---	---	1,09	down
5867792	7069253	1054160	---	---	---	1,35	up
5867845	7248790	1494499	---	---	---	1,63	up
5867877	7279568	1572035	---	---	---	1,06	down
5867910	7269637	1546234	---	---	---	2,62	down
5867935	7217679	1417295	---	---	---	1,31	up
5868048	7233359	1456506	---	---	---	1,04	up
5868110	7348487	1741251	---	---	---	1,23	up
5868140	7280743	1574487	---	---	---	1,36	up
5868204	7127691	1195636	---	---	---	1,02	up
5868249	7072765	1062744	---	---	---	1,71	down
5868328	7351951	1749846	---	---	---	1,14	down
5868698	7373678	1805852	---	---	---	1,44	down
5868746	7065265	1044558	---	---	---	1,55	up
5868876	7132125	1206641	---	---	---	1,19	down
5868931	7199476	1374544	---	---	---	1,21	down
5868951	7360213	1770141	---	---	---	1,16	down
5869053	7136977	1218819	---	---	---	1,01	down
5869055	7097680	1121746	---	---	---	1,13	up
5869199	7256191	1512860	---	---	---	1,07	down
5869215	7165954	1288767	---	---	---	1,06	down
5869270	7273251	1555943	---	---	---	1,34	down
5869348	7236254	1464057	---	---	---	1,07	up
5869428	7059375	1030080	---	---	---	1,71	up
5869438	7115146	1164933	---	---	---	2,27	down
5869581	7143455	1234734	---	---	---	1,39	up
5869587	7329135	1693488	---	---	---	1,13	down
5869618	7065655	1045257	---	---	---	1,15	up
5869631	7378997	1818647	---	---	---	1,11	up
5869632	7234195	1458980	---	---	---	1,45	down
5869644	7098126	1122980	---	---	---	1,01	down
5869676	7231835	1452294	---	---	---	1,35	up
5869719	7199476	1374526	---	---	---	1,62	down
5869742	7069253	1054167	---	---	---	1,19	up
5869758	7181442	1328884	---	---	---	1,20	up
5869837	7197056	1367834	---	---	---	1,14	down
5870139	7279303	1571212	---	---	---	1,08	up
5870505	7039223	983558	---	---	---	1,67	up
5870513	7201217	1378763	---	---	---	1,08	down
5870514	7082098	1084108	---	---	---	1,09	down
5870561	7186464	1341366	---	---	---	1,13	up
5870702	7191594	1354233	---	---	---	1,31	up
5870707	7029985	960592	---	---	---	1,36	down
5870781	7336931	1711867	---	---	---	1,12	down
5871095	7293049	1603882	---	---	---	1,01	down
5871155	7384365	1830285	---	---	---	1,11	up
5871159	7292100	1601540	---	---	---	2,12	up
5871289	7207069	1392034	---	---	---	1,53	down

5871397	7099573	1126730	---	---	---	1,41	up
5871458	7254088	1507737	---	---	---	1,33	up
5871505	7341002	1722533	---	---	---	1,32	up
5871552	7320337	1673333	---	---	---	1,12	down
5871612	7236358	1464248	---	---	---	1,57	down
5871693	7075445	1069352	---	---	---	1,04	up
5871699	7233425	1456778	---	---	---	1,21	down
5871730	7320234	1672995	---	---	---	2,11	up
5871779	7071264	1059296	---	---	---	2,00	up
5871805	7279555	1571952	---	---	---	1,05	up
5871913	7358859	1766999	---	---	---	1,23	down
5872023	7136062	1216304	---	---	---	1,20	up
5872089	7233440	1456933	---	---	---	1,09	down
5872230	7308679	1644244	---	---	---	1,34	up
5872317	7062173	1037024	---	---	---	1,31	down
5872395	7153571	1259039	---	---	---	1,33	down
5872487	7303616	1631364	---	---	---	1,02	down
5872541	7340057	1720333	---	---	---	1,07	up
5872595	7068259	1051622	---	---	---	1,18	down
5872627	7303616	1631357	---	---	---	1,07	up
5872723	7274585	1558789	---	---	---	1,14	down
5872736	7374790	1808765	---	---	---	1,79	up
5872777	7031774	964651	---	---	---	1,13	down
5872808	7198210	1370982	---	---	---	1,55	up
5872850	7068259	1051619	---	---	---	1,20	up
5872991	7367959	1789071	---	---	---	1,23	up
5873139	7200996	1378158	---	---	---	1,08	down
5873198	7112225	1157587	---	---	---	1,14	up
5873209	7248790	1494514	---	---	---	1,26	down
5873289	7082832	1085759	---	---	---	1,11	up
5873300	7084993	1090668	---	---	---	2,50	down
5873411	7146982	1243284	---	---	---	1,07	up
5873455	7132834	1208326	---	---	---	1,03	up
5873767	7235069	1460988	---	---	---	1,14	down
5873860	7338807	1716806	---	---	---	1,09	down
5873956	7082098	1084124	---	---	---	1,05	up
5874005	7303616	1631308	---	---	---	1,12	up
5874012	7209927	1398916	---	---	---	1,19	down
5874046	7037764	980107	---	---	---	1,08	up
5874098	7341397	1723648	---	---	---	1,27	up
5874151	7097680	1121746	---	---	---	1,77	up
5874180	7225553	1435991	---	---	---	1,25	down
5874255	7243603	1482271	---	---	---	1,31	down
5874265	7113483	1160998	---	---	---	1,76	down
5874317	7146093	1240986	---	---	---	1,35	up
5874401	7240569	1475510	---	---	---	1,14	up
5874467	7340304	1720865	---	---	---	1,08	down
5874527	7230886	1449569	---	---	---	1,02	down
5874777	7193056	1358257	---	---	---	1,11	down
5874867	7032395	966595	---	---	---	1,05	down
5874894	7027795	956272	---	---	---	1,04	up
5874945	7337224	1712624	---	---	---	2,57	up
5875016	7112225	1157575	---	---	---	1,10	up
5875035	7062436	1037675	---	---	---	1,59	down
5875280	7233425	1456756	---	---	---	1,14	down
5875338	7376206	1811973	---	---	---	1,19	up

5875343	7070836	1058361	---	---	---	1,48	down
5875480	7059584	1030552	---	---	---	1,11	down
5875505	7342959	1727333	---	---	---	1,00	up
5875564	7033451	969772	---	---	---	1,16	down
5875697	7071616	1060071	---	---	---	1,90	up
5875703	7248790	1494550	---	---	---	1,05	up
5875729	7156052	1265777	---	---	---	1,23	up
5875730	7092549	1109183	---	---	---	1,05	up
5875757	7040260	986051	---	---	---	1,14	down
5875773	7376566	1812857	---	---	---	2,27	down
5875776	7340838	1722079	---	---	---	1,17	down
5875812	7112225	1157560	---	---	---	2,09	down
5875827	7273251	1555948	---	---	---	1,66	up
5875896	7052385	1014800	---	---	---	1,26	up
5875913	7289069	1594393	---	---	---	1,36	up
5875914	7230886	1449524	---	---	---	1,30	up
5875951	7239752	1473157	---	---	---	1,22	up
5875971	7342959	1727333	---	---	---	1,25	up
5876161	7198644	1372353	---	---	---	1,06	up
5876170	7373678	1805855	---	---	---	1,03	up
5876213	7369822	1795130	---	---	---	1,01	up
5876248	7193056	1358274	---	---	---	1,36	down
5876303	7297589	1615636	---	---	---	1,05	up
5876415	7286807	1588846	---	---	---	1,04	down
5876444	7197056	1367848	---	---	---	1,16	down
5876501	7383655	1828573	---	---	---	1,06	down
5876558	7050780	1011377	---	---	---	1,02	down
5876643	7358048	1764797	---	---	---	1,08	down
5876677	7194172	1361162	---	---	---	1,02	up
5876706	7042382	991286	---	---	---	1,27	up
5876769	7039463	984252	---	---	---	1,51	down
5876779	7086664	1094287	---	---	---	1,96	down
5876794	7202550	1381613	---	---	---	1,39	up
5876836	7298920	1618828	---	---	---	1,71	up
5877146	7228848	1444755	---	---	---	1,14	down
5877162	7341002	1722535	---	---	---	1,04	up
5877170	7369712	1794829	---	---	---	1,03	up
5877263	7032083	965682	---	---	---	1,24	up
5877336	7049399	1008356	---	---	---	1,21	up
5877504	7065265	1044568	---	---	---	1,28	down
5877545	7337260	1712798	---	---	---	1,47	up
5877596	7329135	1693495	---	---	---	1,22	down
5877716	7058713	1028663	---	---	---	1,09	down
5877768	7341546	1723943	---	---	---	1,24	down
5877771	7330396	1696360	---	---	---	1,46	up
5877850	7162144	1280502	---	---	---	1,13	up
5877909	7206133	1389963	---	---	---	1,02	up
5878046	7069830	1055667	---	---	---	1,72	down
5878080	7243628	1482384	---	---	---	1,22	down
5878141	7239752	1473179	---	---	---	1,29	down
5878217	7170764	1301489	---	---	---	1,76	up
5878291	7234040	1458505	---	---	---	1,43	up
5878342	7319144	1670100	---	---	---	1,68	down
5878352	7217679	1417308	---	---	---	1,54	up
5878357	7169599	1298444	---	---	---	1,25	down
5878423	7290942	1599135	---	---	---	1,96	down

5878476	7069830	1055638	---	---	---	1,27	down
5878578	7301890	1626687	---	---	---	1,01	down
5878628	7235323	1461554	---	---	---	1,06	up
5878704	7095956	1117040	---	---	---	1,16	up
5878735	7149008	1248598	---	---	---	1,04	down
5878787	7096859	1119325	---	---	---	1,26	down
5878840	7237719	1467478	---	---	---	1,02	down
5879105	7073854	1065625	---	---	---	1,14	up
5879145	7287337	1589968	---	---	---	2,25	down
5879246	7127540	1195279	---	---	---	1,02	down
5879328	7333462	1703646	---	---	---	1,03	up
5879420	7357890	1764383	---	---	---	1,11	down
5879562	7378981	1818552	---	---	---	2,19	down
5879584	7243098	1480754	---	---	---	2,13	down
5879624	7172373	1305577	---	---	---	1,11	down
5879682	7069253	1054175	---	---	---	1,09	up
5879701	7247848	1492047	---	---	---	1,25	down
5879850	7243647	1482438	---	---	---	1,10	up
5879942	7351951	1749847	---	---	---	1,23	down
5880061	7156052	1265776	---	---	---	1,37	down
5880248	7287222	1589717	---	---	---	1,24	down
5880368	7141061	1228644	---	---	---	1,91	up
5880528	7319937	1672297	---	---	---	1,35	up
5880629	7139708	1225051	---	---	---	1,09	up
5880783	7037235	978573	---	---	---	1,13	up
5880863	7059766	1030971	---	---	---	1,81	up
5880905	7350489	1746121	---	---	---	1,03	up
5880938	7112225	1157578	---	---	---	1,00	up
5880982	7378997	1818661	---	---	---	1,02	down
5881103	7291054	1599401	---	---	---	1,01	up
5881114	7379957	1820639	---	---	---	1,38	up
5881175	7137646	1220437	---	---	---	1,15	down
5881177	7267380	1540390	---	---	---	1,10	down
5881325	7171525	1303467	---	---	---	1,01	down
5881452	7117158	1170034	---	---	---	1,06	down
5881557	7180732	1326723	---	---	---	1,66	down
5881812	7101564	1131391	---	---	---	1,30	down
5881819	7277783	1567437	---	---	---	4,92	up
5881835	7180243	1325517	---	---	---	1,07	up
5881844	7345465	1733851	---	---	---	1,44	down
5881930	7331434	1699215	---	---	---	1,92	down
5881945	7181016	1327778	---	---	---	1,38	up
5881974	7344530	1731569	---	---	---	2,22	up
5881983	7297523	1615426	---	---	---	1,37	up
5881985	7240569	1475505	---	---	---	1,11	down
5882003	7092549	1109195	---	---	---	1,45	up
5882102	7174114	1310422	---	---	---	1,17	down
5882211	7349882	1744784	---	---	---	1,05	up
5882219	7289856	1596347	---	---	---	1,10	up
5882240	7113483	1161004	---	---	---	1,12	up
5882268	7102113	1132839	---	---	---	1,14	up
5882543	7245066	1485574	---	---	---	1,03	down
5882616	7274892	1559540	---	---	---	1,60	up
5882763	7244290	1484157	---	---	---	1,44	up
5882888	7293646	1605411	---	---	---	1,02	down
5882895	7222221	1428075	---	---	---	1,05	up

5882948	7341397	1723621	---	---	---	1,13	down
5883102	7297589	1615607	---	---	---	1,10	up
5883262	7215722	1412267	---	---	---	2,08	down
5883275	7258520	1518888	---	---	---	1,33	down
5883293	7098867	1124962	---	---	---	1,10	down
5883309	7076160	1070909	---	---	---	1,09	down
5883348	7361223	1772619	---	---	---	1,18	down
5883388	7243130	1480883	---	---	---	1,44	up
5883426	7059020	1029334	---	---	---	1,03	down
5883536	7176235	1315241	---	---	---	1,34	down
5883538	7088164	1098489	---	---	---	1,50	down
5883569	7179785	1324460	---	---	---	1,45	down
5883678	7083030	1086270	---	---	---	1,07	down
5883732	7361042	1772273	---	---	---	1,12	down
5883767	7168858	1296831	---	---	---	1,24	up
5883804	7246570	1489225	---	---	---	1,05	up
5884035	7065265	1044570	---	---	---	1,01	down
5884115	7248790	1494490	---	---	---	1,13	up
5884124	7070836	1058350	---	---	---	1,39	up
5884346	7294151	1606607	---	---	---	1,31	up
5884429	7271128	1550318	---	---	---	1,19	down
5884573	7213908	1407669	---	---	---	1,17	down
5884626	7341253	1723264	---	---	---	1,01	up
5884691	7374143	1807009	---	---	---	1,44	up
5884716	7361420	1773036	---	---	---	1,03	up
5884723	7354688	1756375	---	---	---	1,35	up
5884746	7070836	1058344	---	---	---	1,44	up
5884811	7143971	1235934	---	---	---	3,03	up
5884931	7115362	1165599	---	---	---	1,39	down
5885111	7155624	1264726	---	---	---	1,36	up
5885294	7149817	1250314	---	---	---	1,44	up
5885298	7180861	1327218	---	---	---	1,18	up
5885425	7130889	1203883	---	---	---	1,01	down
5885474	7330078	1695460	---	---	---	1,48	down
5885496	7027795	956272	---	---	---	1,06	down
5885500	7343052	1727528	---	---	---	1,51	up
5885783	7043379	993646	---	---	---	1,07	down
5885937	7087282	1096231	---	---	---	1,16	down
5885940	7067828	1050784	---	---	---	1,05	up
5886070	7049399	1008373	---	---	---	1,04	up
5886299	7202550	1381607	---	---	---	1,24	down
5886300	7351951	1749828	---	---	---	1,03	down
5886354	7352044	1750001	---	---	---	1,25	up
5886412	7068504	1052167	---	---	---	1,20	down
5886468	7286807	1588812	---	---	---	1,02	up
5886505	7243130	1480826	---	---	---	1,02	up
5886517	7111244	1155384	---	---	---	1,16	up
5886640	7071264	1059285	---	---	---	1,06	down
5886775	7034293	971971	---	---	---	1,17	up
5886847	7329135	1693493	---	---	---	1,52	up
5886884	7196029	1365620	---	---	---	1,00	down
5886909	7168858	1296824	---	---	---	1,12	up
5886935	7297589	1615601	---	---	---	1,09	up
5887047	7148978	1248535	---	---	---	1,07	up
5887063	7367969	1789101	---	---	---	1,69	down
5887077	7243653	1482526	---	---	---	1,12	up

5887081	7344406	1731212	---	---	---	1,61	down
5887127	7331434	1699197	---	---	---	1,10	down
5887132	7047865	1005354	---	---	---	1,30	up
5887273	7092549	1109197	---	---	---	1,15	up
5887422	7117187	1170113	---	---	---	1,08	down
5887440	7038316	981460	---	---	---	1,40	up
5887782	7056333	1023684	---	---	---	1,09	down
5887822	7241136	1476725	---	---	---	1,68	down
5887840	7316644	1664011	---	---	---	1,03	up
5887843	7334347	1705755	---	---	---	1,15	down
5887913	7240569	1475364	---	---	---	1,23	up
5887940	7216132	1413398	---	---	---	1,29	up
5887967	7050780	1011382	---	---	---	1,33	up
5887990	7356001	1759921	---	---	---	1,11	up
5888009	7098411	1123732	---	---	---	1,12	up
5888031	7067335	1049470	---	---	---	1,18	up
5888158	7233012	1455407	---	---	---	1,28	up
5888488	7340057	1720334	---	---	---	1,34	down
5888592	7131360	1204981	---	---	---	1,58	down
5888699	7192186	1355616	---	---	---	2,49	up
5888747	7226241	1437814	---	---	---	1,02	down
5888763	7087282	1096203	---	---	---	1,04	up
5888884	7266706	1538748	---	---	---	1,16	up
5888980	7078666	1076518	---	---	---	1,00	up
5889027	7156052	1265763	---	---	---	1,21	up
5889125	7115146	1164934	---	---	---	1,06	up
5889249	7312566	1653321	---	---	---	1,84	down
5889371	7378997	1818644	---	---	---	1,09	up
5889561	7115880	1166833	---	---	---	1,30	down
5889615	7092549	1109156	---	---	---	1,19	up
5889633	7339387	1718391	---	---	---	1,03	down
5889674	7074132	1066322	---	---	---	1,27	down
5889712	7279568	1572037	---	---	---	3,02	up
5889763	7253408	1505952	---	---	---	1,28	down
5889987	7331297	1698821	---	---	---	1,06	up
5890097	7247229	1490554	---	---	---	1,82	up
5890226	7033337	969495	---	---	---	1,05	up
5890285	7122131	1182668	---	---	---	1,12	up
5890286	7037764	979995	---	---	---	1,31	down
5890378	7299204	1619538	---	---	---	1,02	down
5890398	7188685	1346333	---	---	---	1,36	up
5890467	7279499	1571822	---	---	---	1,56	down
5890472	7067670	1050374	---	---	---	1,58	down
5890677	7358859	1767011	---	---	---	1,43	up
5890686	7303616	1631316	---	---	---	1,68	up
5890811	7087282	1096152	---	---	---	1,09	down
5890915	7337492	1713402	---	---	---	1,11	up
5890917	7211363	1402051	---	---	---	1,03	down
5890927	7233440	1456836	---	---	---	1,21	down
5890990	7217321	1416039	---	---	---	1,17	down
5891011	7314270	1657753	---	---	---	1,09	down
5891433	7281507	1576718	---	---	---	1,04	up
5891515	7061550	1035287	---	---	---	2,02	down
5891571	7111573	1156017	---	---	---	1,08	up
5891627	7101258	1130563	---	---	---	1,15	up
5891938	7312627	1653489	---	---	---	1,00	up

5891955	7267802	1541733	---	---	---	1,13	down
5891962	7360486	1770970	---	---	---	1,02	up
5891969	7358048	1764791	---	---	---	1,14	down
5891988	7261019	1525281	---	---	---	1,25	down
5891993	7108345	1148084	---	---	---	1,56	down
5892062	7289909	1596508	---	---	---	2,22	down
5892076	7034293	971945	---	---	---	1,06	up
5892134	7224166	1432674	---	---	---	1,25	down
5892140	7065655	1045259	---	---	---	1,41	up
5892205	7361420	1773042	---	---	---	1,07	down
5892214	7034532	972657	---	---	---	2,02	down
5892261	7245874	1487587	---	---	---	1,03	down
5892308	7339110	1717614	---	---	---	1,85	down
5892382	7038153	981148	---	---	---	1,10	up
5892452	7228656	1444255	---	---	---	1,01	down
5892568	7292810	1603253	---	---	---	1,33	up
5892618	7344406	1731265	---	---	---	1,27	down
5892628	7297274	1614654	---	---	---	1,28	up
5892725	7059563	1030498	---	---	---	1,14	up
5892810	7238115	1468620	---	---	---	1,09	up
5893034	7153571	1259038	---	---	---	1,38	up
5893201	7196029	1365626	---	---	---	1,27	up
5893242	7186443	1341286	---	---	---	1,12	up
5893272	7326612	1687199	---	---	---	1,52	down
5893482	7099573	1126709	---	---	---	1,37	down
5893613	7129841	1200834	---	---	---	1,27	up
5893737	7365183	1781914	---	---	---	1,15	down
5893848	7373678	1805858	---	---	---	1,11	up
5893871	7025652	950319	---	---	---	1,20	up
5893889	7237438	1466795	---	---	---	1,22	up
5893921	7067556	1050037	---	---	---	1,03	down
5893996	7180861	1327200	---	---	---	1,21	up
5893998	7358048	1764803	---	---	---	1,10	down
5894012	7180861	1327185	---	---	---	1,32	up
5894060	7131550	1205558	---	---	---	1,44	down
5894192	7076160	1070965	---	---	---	1,30	up
5894209	7050655	1011011	---	---	---	1,27	down
5894240	7065655	1045246	---	---	---	1,10	down
5894323	7052813	1015883	---	---	---	1,02	down
5894355	7350237	1745478	---	---	---	1,43	down
5894398	7338807	1716791	---	---	---	1,51	down
5894415	7229886	1447155	---	---	---	2,14	down
5894497	7271008	1549930	---	---	---	1,15	up
5894700	7078666	1076510	---	---	---	1,61	down
5894726	7330396	1696366	---	---	---	1,25	up
5894792	7090278	1104085	---	---	---	1,13	up
5894874	7353441	1753334	---	---	---	1,01	up
5894930	7286807	1588819	---	---	---	1,06	up
5895000	7111361	1155622	---	---	---	1,51	down
5895026	7217747	1417487	---	---	---	1,09	up
5895055	7243130	1480923	---	---	---	1,03	down
5895077	7156978	1268172	---	---	---	1,09	up
5895369	7340757	1721898	---	---	---	1,44	up
5895395	7101643	1131567	---	---	---	1,27	down
5895828	7297589	1615671	---	---	---	1,15	down
5896164	7240569	1475489	---	---	---	1,23	down

5896228	7202550	1381612	---	---	---	1,18	up
5896293	7173863	1309713	---	---	---	1,38	down
5896412	7352100	1750194	---	---	---	1,28	up
5896537	7319937	1672296	---	---	---	1,19	up
5896559	7161300	1278549	---	---	---	1,28	down
5896614	7363768	1778601	---	---	---	1,81	down
5896641	7061003	1033922	---	---	---	1,01	down
5896698	7169732	1298771	---	---	---	2,55	up
5896726	7234195	1458980	---	---	---	1,08	down
5896791	7320234	1673031	---	---	---	1,05	up
5896818	7113169	1160173	---	---	---	1,08	up
5896840	7060851	1033398	---	---	---	1,05	up
5896903	7098077	1122806	---	---	---	1,06	down
5896969	7112225	1157546	---	---	---	1,14	down
5897022	7185622	1339216	---	---	---	1,32	up
5897191	7195903	1365339	---	---	---	1,00	up
5897258	7097680	1121730	---	---	---	1,07	up
5897301	7197056	1367840	---	---	---	1,14	up
5897335	7037764	980080	---	---	---	1,01	down
5897406	7280743	1574527	---	---	---	1,40	up
5897408	7198644	1372351	---	---	---	1,04	up
5897437	7356115	1760117	---	---	---	1,18	up
5897460	7103811	1137060	---	---	---	1,02	up
5897545	7030233	961173	---	---	---	1,25	down
5897582	7301879	1626623	---	---	---	2,91	up
5897639	7339379	1718354	---	---	---	1,19	up
5897657	7294264	1606825	---	---	---	1,06	up
5897741	7068853	1053098	---	---	---	1,13	up
5897890	7321414	1675630	---	---	---	1,00	up
5898109	7309703	1646820	---	---	---	1,23	up
5898306	7267953	1542234	---	---	---	2,28	down
5898348	7030863	962592	---	---	---	1,20	down
5898385	7339286	1718107	---	---	---	1,03	down
5898429	7064732	1042928	---	---	---	1,32	down
5898449	7339110	1717614	---	---	---	1,04	up
5898515	7098189	1123166	---	---	---	1,20	down
5898642	7113483	1161004	---	---	---	1,23	down
5898680	7067670	1050319	---	---	---	2,03	up
5898793	7148978	1248479	---	---	---	1,19	down
5898880	7052331	1014567	---	---	---	1,03	up
5898889	7277783	1567465	---	---	---	2,20	down
5898917	7228520	1443766	---	---	---	1,23	down
5899144	7039265	983658	---	---	---	1,10	up
5899391	7293757	1605684	---	---	---	1,14	up
5899408	7297589	1615609	---	---	---	1,05	up
5899432	7330181	1695711	---	---	---	1,93	up
5899492	7200545	1376908	---	---	---	1,10	down
5899506	7240569	1475454	---	---	---	1,03	down
5899513	7108551	1148699	---	---	---	1,09	up
5899714	7069830	1055614	---	---	---	1,08	up
5899751	7336727	1711287	---	---	---	1,50	down
5899773	7374842	1808984	---	---	---	1,00	up
5899777	7096859	1119322	---	---	---	1,36	down
5899891	7037764	980035	---	---	---	1,06	down
5899985	7253408	1505938	---	---	---	1,20	up
5899990	7286807	1588810	---	---	---	2,44	down

5900069	7181193	1328298	---	---	---	1,05	down
5900073	7329846	1695005	---	---	---	2,04	down
5900089	7068853	1053119	---	---	---	1,08	down
5900147	7131889	1206094	---	---	---	1,11	down
5900181	7360486	1770935	---	---	---	1,26	up
5900306	7078666	1076510	---	---	---	1,02	down
5900313	7336250	1710171	---	---	---	1,03	down
5900353	7271008	1549954	---	---	---	1,08	up
5900375	7191594	1354241	---	---	---	1,67	up
5900567	7101258	1130573	---	---	---	1,19	down
5900601	7337224	1712600	---	---	---	1,24	down
5900715	7199476	1374552	---	---	---	1,02	up
5900823	7127257	1194810	---	---	---	1,62	up
5900843	7211144	1401548	---	---	---	1,41	down
5901006	7104920	1140058	---	---	---	1,01	down
5901012	7298920	1618834	---	---	---	1,44	up
5901080	7268375	1543455	---	---	---	1,06	down
5901089	7049689	1008874	---	---	---	1,25	up
5901108	7369938	1795531	---	---	---	1,36	down
5901118	7033337	969519	---	---	---	1,28	up
5901202	7297274	1614613	---	---	---	1,33	up
5901229	7344406	1731218	---	---	---	1,42	down
5901309	7087965	1098052	---	---	---	1,09	down
5901363	7233440	1456916	---	---	---	1,01	up
5901462	7053874	1018317	---	---	---	1,80	down
5901490	7053874	1018316	---	---	---	1,07	down
5901492	7217679	1417311	---	---	---	1,04	down
5901590	7033672	970358	---	---	---	1,20	up
5901593	7086966	1095248	---	---	---	1,12	down
5901609	7247228	1490513	---	---	---	1,28	down
5901682	7183182	1333576	---	---	---	1,61	up
5901718	7059375	1030050	---	---	---	1,01	up
5901777	7344190	1730612	---	---	---	1,07	down
5901881	7039223	983552	---	---	---	1,01	up
5901959	7043535	994115	---	---	---	1,13	up
5902268	7268375	1543454	---	---	---	1,08	up
5902465	7198210	1370989	---	---	---	1,39	down
5902516	7232029	1452742	---	---	---	1,25	up
5902614	7378997	1818661	---	---	---	1,12	up
5902751	7059765	1030954	---	---	---	1,43	down
5902780	7058713	1028666	---	---	---	1,08	up
5902845	7097485	1120938	---	---	---	1,27	down
5902862	7213945	1407853	---	---	---	1,10	down
5902872	7294151	1606594	---	---	---	1,00	down
5902917	7065827	1045721	---	---	---	1,22	up
5903067	7125348	1190088	---	---	---	1,14	up
5903069	7068073	1051176	---	---	---	1,19	up
5903171	7070616	1057774	---	---	---	1,63	down
5903224	7095326	1115813	---	---	---	1,53	up
5903407	7302786	1628863	---	---	---	1,18	up
5903530	7249503	1496217	---	---	---	1,05	down
5903651	7032083	965687	---	---	---	1,21	up
5903690	7217679	1417312	---	---	---	1,47	down
5903804	7253088	1505123	---	---	---	1,07	down
5903828	7211363	1402053	---	---	---	1,38	down
5903879	7136977	1218862	---	---	---	1,19	down

5903941	7171047	1302368	---	---	---	1,36	up
5903954	7180861	1327184	---	---	---	1,20	down
5904067	7236492	1464553	---	---	---	1,41	up
5904118	7222221	1428057	---	---	---	1,11	up
5904180	7053874	1018317	---	---	---	1,41	up
5904205	7029078	958875	---	---	---	1,14	up
5904271	7341546	1723955	---	---	---	1,14	down
5904278	7380497	1821850	---	---	---	1,02	down
5904301	7189574	1348708	---	---	---	1,06	down
5904474	7320337	1673338	---	---	---	1,02	down
5904476	7080134	1079799	---	---	---	3,24	down
5904691	7096924	1119615	---	---	---	1,00	down
5904701	7038669	982188	---	---	---	1,18	down
5904826	7064134	1041456	---	---	---	1,35	up
5904850	7115880	1166834	---	---	---	1,10	up
5904875	7167507	1293110	---	---	---	1,11	up
5904914	7172373	1305563	---	---	---	1,61	down
5904960	7330238	1695951	---	---	---	1,52	down
5904982	7225553	1435985	---	---	---	1,03	up
5905037	7292154	1601631	---	---	---	1,18	down
5905048	7333333	1703393	---	---	---	1,19	up
5905052	7070616	1057788	---	---	---	2,73	down
5905170	7226812	1439351	---	---	---	1,56	down
5905310	7199476	1374520	---	---	---	1,25	down
5905329	7112225	1157572	---	---	---	1,08	up
5905380	7157341	1269181	---	---	---	1,09	up
5905422	7095956	1117045	---	---	---	1,15	up
5905714	7319937	1672263	---	---	---	1,20	up
5905716	7293402	1604848	---	---	---	1,13	down
5905752	7038316	981463	---	---	---	1,07	down
5905829	7265259	1535448	---	---	---	1,55	up
5905833	7177180	1317764	---	---	---	1,55	up
5905912	7274892	1559567	---	---	---	1,16	down
5906019	7118157	1172524	---	---	---	1,02	down
5906148	7331413	1699131	---	---	---	2,00	up
5906167	7119179	1174970	---	---	---	1,26	up
5906265	7374790	1808782	---	---	---	1,14	down
5906313	7061003	1033923	---	---	---	1,19	up
5906378	7230698	1449067	---	---	---	1,40	up
5906408	7121866	1181882	---	---	---	1,34	up
5906502	7312942	1654171	---	---	---	1,36	up
5906509	7038153	981161	---	---	---	1,09	down
5906544	7064134	1041468	---	---	---	1,17	up
5906581	7076236	1071188	---	---	---	1,16	down
5906645	7243363	1481615	---	---	---	1,03	up
5906690	7172066	1304734	---	---	---	1,25	up
5906745	7341646	1724193	---	---	---	1,05	down
5906825	7171525	1303444	---	---	---	1,05	down
5906861	7069142	1053874	---	---	---	1,00	up
5906918	7307424	1641138	---	---	---	1,32	up
5906961	7374143	1807010	---	---	---	1,24	down
5907108	7371682	1800791	---	---	---	2,21	down
5907193	7340838	1722059	---	---	---	1,16	up
5907237	7097680	1121741	---	---	---	1,03	down
5907542	7213908	1407761	---	---	---	1,31	down
5907627	7287238	1589771	---	---	---	2,28	down

5907742	7243363	1481594	---	---	---	1,08	up
5907856	7316644	1664005	---	---	---	1,16	down
5907865	7120039	1177522	---	---	---	1,23	up
5907872	7358859	1767007	---	---	---	1,12	up
5907922	7374790	1808780	---	---	---	1,17	up
5908017	7159177	1273338	---	---	---	1,09	down
5908045	7098867	1124950	---	---	---	1,74	down
5908182	7373417	1805121	---	---	---	1,17	up
5908272	7231152	1450232	---	---	---	1,20	up
5908311	7151063	1253061	---	---	---	1,15	up
5908320	7207069	1392031	---	---	---	1,84	down
5908431	7280743	1574478	---	---	---	1,07	down
5908715	7193644	1359716	---	---	---	1,17	down
5908779	7097485	1120935	---	---	---	1,25	up
5908872	7093936	1112479	---	---	---	1,02	up
5909034	7065265	1044573	---	---	---	1,30	up
5909072	7340258	1720734	---	---	---	1,13	up
5909120	7043379	993650	---	---	---	1,16	up
5909124	7112225	1157601	---	---	---	1,07	up
5909184	7330238	1695935	---	---	---	1,09	up
5909289	7237719	1467477	---	---	---	1,13	down
5909317	7115880	1166835	---	---	---	1,16	down
5909454	7240569	1475462	---	---	---	1,17	up
5909469	7180732	1326734	---	---	---	2,33	down
5909494	7198210	1370973	---	---	---	1,23	down
5909528	7176456	1315829	---	---	---	1,42	up
5909579	7080106	1079716	---	---	---	1,29	up
5909677	7297589	1615687	---	---	---	1,51	up
5909708	7183182	1333559	---	---	---	1,13	down
5909710	7088164	1098477	---	---	---	1,26	up
5909758	7131550	1205555	---	---	---	1,31	up
5909775	7340838	1722064	---	---	---	1,40	up
5909797	7200129	1375998	---	---	---	1,03	up
5909848	7274585	1558769	---	---	---	1,08	down
5909856	7337522	1713596	---	---	---	1,46	down
5909987	7058713	1028666	---	---	---	1,21	up
5909993	7360486	1770949	---	---	---	1,18	up
5910008	7163892	1284214	---	---	---	2,14	down
5910028	7302786	1628862	---	---	---	1,19	up
5910237	7236987	1465736	---	---	---	1,07	down
5910297	7202550	1381619	---	---	---	1,55	up
5910317	7127797	1195853	---	---	---	1,18	up
5910455	7381993	1825218	---	---	---	2,14	up
5910540	7379957	1820644	---	---	---	1,51	up
5910581	7281923	1577696	---	---	---	3,28	down
5910618	7255120	1510371	---	---	---	1,13	up
5910746	7320337	1673331	---	---	---	1,42	down
5910749	7127540	1195270	---	---	---	1,09	down
5910917	7070869	1058469	---	---	---	1,35	up
5910924	7031833	964910	---	---	---	1,18	up
5911067	7297589	1615649	---	---	---	1,21	down
5911181	7247848	1492065	---	---	---	1,06	up
5911241	7073854	1065633	---	---	---	1,03	up
5911261	7199476	1374527	---	---	---	2,64	down
5911310	7139709	1225074	---	---	---	1,10	down
5911351	7180861	1327208	---	---	---	1,01	up

5911385	7280743	1574525	---	---	---	1,25	down
5911449	7365183	1781915	---	---	---	1,46	down
5911461	7029770	960158	---	---	---	1,33	down
5911594	7384073	1829452	---	---	---	1,46	down
5911629	7060851	1033384	---	---	---	1,21	down
5911644	7071264	1059355	---	---	---	1,10	down
5911824	7156372	1266706	---	---	---	1,17	down
5911852	7297589	1615687	---	---	---	1,07	down
5912085	7312566	1653322	---	---	---	1,57	down
5912099	7069239	1054080	---	---	---	1,17	down
5912131	7101400	1130893	---	---	---	1,22	up
5912153	7337845	1714340	---	---	---	1,10	up
5912233	7114108	1162453	---	---	---	1,04	down
5912288	7243628	1482364	---	---	---	1,43	down
5912382	7059584	1030546	---	---	---	1,63	down
5912468	7188829	1346653	---	---	---	1,37	down
5912548	7096924	1119603	---	---	---	1,01	down
5912555	7099573	1126742	---	---	---	1,21	up
5912659	7307721	1642006	---	---	---	1,00	up
5912688	7339387	1718396	---	---	---	1,75	down
5912754	7092965	1110178	---	---	---	1,11	down
5912843	7289382	1595213	---	---	---	1,02	up
5912904	7316644	1664046	---	---	---	1,03	down
5912998	7043535	994093	---	---	---	1,17	down
5913119	7351951	1749835	---	---	---	1,29	down
5913144	7240224	1474394	---	---	---	1,06	up
5913197	7039271	983706	---	---	---	1,04	up
5913215	7049118	1007774	---	---	---	1,14	down
5913303	7065266	1044592	---	---	---	1,80	up
5913305	7293757	1605685	---	---	---	1,09	up
5913328	7368004	1789332	---	---	---	1,16	down
5913407	7367969	1789094	---	---	---	1,15	up
5913484	7108300	1147909	---	---	---	1,10	down
5913560	7340258	1720734	---	---	---	1,70	down
5913611	7329135	1693488	---	---	---	1,12	up
5913653	7025652	950343	---	---	---	1,29	down
5913673	7122131	1182668	---	---	---	1,17	down
5913690	7198210	1370972	---	---	---	1,11	down
5913751	7119930	1177217	---	---	---	1,11	up
5913766	7056333	1023680	---	---	---	1,06	up
5913833	7285688	1586193	---	---	---	1,10	up
5913917	7084993	1090672	---	---	---	1,19	up
5913937	7169732	1298782	---	---	---	1,20	down
5914159	7341253	1723307	---	---	---	1,01	up
5914253	7280743	1574481	---	---	---	1,07	down
5914349	7351951	1749848	---	---	---	1,10	up
5914417	7181105	1327967	---	---	---	1,44	up
5914454	7180861	1327185	---	---	---	1,20	down
5914472	7168858	1296827	---	---	---	1,04	down
5914511	7131550	1205555	---	---	---	1,03	down
5914525	7360486	1770935	---	---	---	1,03	up
5914688	7248790	1494513	---	---	---	1,00	down
5914716	7257963	1517672	---	---	---	1,95	up
5914754	7139026	1223494	---	---	---	1,33	down
5914779	7075445	1069360	---	---	---	1,03	up
5914825	7183927	1335500	---	---	---	1,02	down

5914851	7255663	1511712	---	---	---	1,00	down
5914908	7281923	1577696	---	---	---	1,08	down
5915117	7094158	1112969	---	---	---	2,55	down
5915153	7243603	1482281	---	---	---	1,16	down
5915157	7226241	1437805	---	---	---	1,44	down
5915301	7346505	1736286	---	---	---	2,47	down
5915466	7168858	1296847	---	---	---	1,04	up
5915595	7301140	1624592	---	---	---	1,18	down
5915637	7254053	1507638	---	---	---	1,03	up
5915655	7070461	1057368	---	---	---	1,05	up
5915666	7327169	1688459	---	---	---	1,15	down
5915683	7273251	1555948	---	---	---	1,16	down
5915737	7186440	1341259	---	---	---	1,01	up
5915959	7243603	1482256	---	---	---	1,23	down
5916077	7336931	1711869	---	---	---	1,31	down
5916130	7115362	1165596	---	---	---	1,01	up
5916133	7258520	1518859	---	---	---	1,22	down
5916147	7186688	1341840	---	---	---	1,05	down
5916170	7025652	950281	---	---	---	1,00	up
5916271	7323560	1680040	---	---	---	1,52	up
5916279	7327169	1688468	---	---	---	1,14	down
5916343	7331297	1698807	---	---	---	1,33	up
5916400	7264808	1534473	---	---	---	1,14	down
5916427	7297274	1614654	---	---	---	1,10	up
5916522	7364346	1780021	---	---	---	1,05	up
5916878	7148978	1248546	---	---	---	1,40	down
5916904	7217679	1417307	---	---	---	1,25	up
5916923	7088164	1098472	---	---	---	1,94	down
5917060	7229886	1447147	---	---	---	1,17	down
5917241	7344836	1732411	---	---	---	1,05	down
5917284	7280743	1574570	---	---	---	1,08	up
5917312	7097454	1120881	---	---	---	1,33	down
5917351	7211363	1402044	---	---	---	2,51	down
5917430	7345882	1734798	---	---	---	1,13	up
5917433	7381993	1825219	---	---	---	2,16	up
5917471	7038153	981158	---	---	---	1,50	up
5917517	7233359	1456512	---	---	---	1,16	up
5917557	7056333	1023677	---	---	---	1,22	down
5917604	7222221	1428066	---	---	---	1,42	down
5917677	7233440	1456829	---	---	---	1,01	down
5917741	7038530	981874	---	---	---	1,04	up
5917756	7243628	1482367	---	---	---	1,56	up
5917838	7257361	1516092	---	---	---	1,14	up
5917899	7039302	983841	---	---	---	1,06	down
5917933	7064220	1041738	---	---	---	1,35	down
5918006	7041609	989592	---	---	---	1,21	up
5918059	7050780	1011373	---	---	---	1,14	up
5918174	7193644	1359708	---	---	---	1,06	up
5918344	7319937	1672269	---	---	---	1,39	down
5918410	7099573	1126733	---	---	---	1,04	up
5918422	7159642	1274217	---	---	---	1,00	down
5918525	7233923	1458163	---	---	---	1,03	up
5918597	7380497	1821871	---	---	---	1,02	up
5918900	7373417	1805107	---	---	---	1,17	down
5919026	7037806	980219	---	---	---	1,50	up
5919070	7293757	1605671	---	---	---	1,20	down

5919089	7183182	1333574	---	---	---	1,22	down
5919114	7380497	1821826	---	---	---	1,05	down
5919211	7074132	1066328	---	---	---	1,45	down
5919456	7087282	1096204	---	---	---	1,00	up
5919500	7143455	1234725	---	---	---	2,00	down
5919529	7141421	1229477	---	---	---	1,03	up
5919573	7327650	1689681	---	---	---	1,30	up
5919658	7266706	1538746	---	---	---	1,12	up
5919666	7280743	1574485	---	---	---	1,53	down
5919668	7068259	1051649	---	---	---	1,86	down
5919694	7339732	1719218	---	---	---	1,39	up
5919727	7093936	1112469	---	---	---	1,68	down
5919753	7027759	956129	---	---	---	1,02	down
5919773	7384073	1829463	---	---	---	1,15	up
5919820	7237719	1467496	---	---	---	1,39	up
5919838	7294151	1606636	---	---	---	1,19	up
5919862	7179914	1324717	---	---	---	1,10	up
5919965	7368004	1789332	---	---	---	1,14	down
5919982	7373038	1804293	---	---	---	1,05	down
5920142	7093936	1112479	---	---	---	1,13	down
5920171	7099573	1126724	---	---	---	1,04	down
5920187	7341646	1724194	---	---	---	1,27	up
5920217	7319937	1672301	---	---	---	1,07	down
5920289	7281950	1577790	---	---	---	1,46	up
5920464	7098366	1123608	---	---	---	1,09	up
5920570	7037764	979992	---	---	---	1,20	up
5920599	7049689	1008886	---	---	---	1,43	up
5920677	7363674	1778439	---	---	---	1,02	up
5920758	7115708	1166475	---	---	---	1,21	down
5920827	7059375	1030053	---	---	---	1,18	up
5920862	7319937	1672288	---	---	---	1,44	up
5920894	7069830	1055636	---	---	---	1,30	up
5920958	7340757	1721900	---	---	---	1,10	down
5920987	7119930	1177227	---	---	---	1,10	down
5921103	7312566	1653304	---	---	---	1,64	down
5921173	7132263	1206889	---	---	---	1,27	up
5921303	7244290	1484145	---	---	---	1,04	down
5921312	7159642	1274219	---	---	---	1,03	down
5921352	7033672	970340	---	---	---	1,31	down
5921383	7189689	1349047	---	---	---	1,21	up
5921642	7080731	1080973	---	---	---	1,10	up
5921792	7054147	1018982	---	---	---	1,32	down
5921798	7179785	1324499	---	---	---	1,11	down
5921822	7321414	1675632	---	---	---	1,08	down
5921850	7086522	1093935	---	---	---	1,26	down
5921886	7036412	976869	---	---	---	1,33	up
5921912	7293402	1604856	---	---	---	1,06	up
5921917	7291054	1599400	---	---	---	2,99	down
5921936	7059020	1029347	---	---	---	1,06	up
5922019	7277783	1567465	---	---	---	1,27	down
5922027	7065655	1045239	---	---	---	1,13	down
5922191	7287222	1589714	---	---	---	1,21	up
5922292	7056333	1023675	---	---	---	1,43	up
5922316	7237719	1467493	---	---	---	1,15	up
5922461	7243363	1481603	---	---	---	1,14	down
5922469	7279073	1570680	---	---	---	1,09	down

5922591	7364346	1779980	---	---	---	1,15	down
5922684	7200996	1378153	---	---	---	1,29	down
5922712	7217747	1417495	---	---	---	1,08	up
5922799	7127540	1195270	---	---	---	1,13	down
5922835	7084792	1090341	---	---	---	1,02	up
5922862	7096924	1119619	---	---	---	1,40	up
5922869	7068259	1051626	---	---	---	1,06	up
5922925	7198210	1370984	---	---	---	1,08	up
5922975	7068259	1051610	---	---	---	1,35	down
5922985	7132125	1206639	---	---	---	1,19	up
5923031	7096924	1119624	---	---	---	1,21	down
5923132	7373417	1805100	---	---	---	1,01	down
5923219	7038669	982180	---	---	---	2,07	down
5923316	7358859	1766970	---	---	---	1,16	down
5923564	7212735	1405035	---	---	---	2,80	up
5923654	7059961	1031401	---	---	---	1,14	up
5923671	7234434	1459440	---	---	---	1,08	up
5923729	7342959	1727342	---	---	---	1,18	up
5923767	7251608	1501456	---	---	---	1,05	down
5923821	7146093	1240986	---	---	---	1,06	up
5923888	7244288	1484120	---	---	---	1,25	down
5923992	7112570	1158654	---	---	---	1,57	down
5924026	7219605	1422065	---	---	---	1,35	up
5924064	7137751	1220585	---	---	---	1,40	up
5924108	7268693	1544184	---	---	---	1,43	down
5924121	7139026	1223508	---	---	---	1,96	up
5924391	7358859	1767006	---	---	---	1,46	down
5924418	7097084	1119949	---	---	---	3,03	up
5924456	7033672	970360	---	---	---	1,34	down
5924679	7334331	1705698	---	---	---	1,07	down
5924689	7217650	1417182	---	---	---	1,41	down
5924727	7052331	1014597	---	---	---	1,47	down
5924787	7040260	986047	---	---	---	1,04	down
5924821	7150348	1251398	---	---	---	1,03	down
5924838	7330396	1696335	---	---	---	1,16	up
5924944	7274892	1559526	---	---	---	1,39	up
5924956	7055876	1022469	---	---	---	1,22	down
5925172	7274780	1559208	---	---	---	1,32	up
5925207	7168403	1295573	---	---	---	1,47	down
5925269	7243363	1481583	---	---	---	1,02	up
5925308	7281140	1575712	---	---	---	1,93	up
5925340	7217747	1417505	---	---	---	1,07	down
5925452	7255663	1511711	---	---	---	1,10	down
5925469	7157341	1269149	---	---	---	1,22	up
5925611	7215394	1411279	---	---	---	1,02	down
5925623	7312566	1653321	---	---	---	1,24	down
5925833	7343092	1727657	---	---	---	1,24	up
5925928	7359551	1768623	---	---	---	1,12	down
5925933	7363922	1778872	---	---	---	1,51	down
5926229	7249737	1496749	---	---	---	1,19	down
5926277	7331434	1699199	---	---	---	1,15	down
5926333	7068697	1052760	---	---	---	1,11	down
5926369	7331237	1698721	---	---	---	1,01	down
5926483	7127691	1195628	---	---	---	1,31	up
5926521	7243130	1480825	---	---	---	1,14	up
5926636	7281507	1576711	---	---	---	1,19	down

5926687	7075096	1068605	---	---	---	1,13	up
5926728	7127540	1195298	---	---	---	1,33	down
5926849	7174281	1310877	---	---	---	1,55	down
5926971	7318143	1668091	---	---	---	2,42	down
5927017	7286807	1588798	---	---	---	1,09	up
5927052	7142081	1230973	---	---	---	1,32	up
5927171	7034293	971956	---	---	---	1,25	down
5927182	7097680	1121717	---	---	---	1,08	down
5927361	7229886	1447145	---	---	---	1,40	up
5927471	7342959	1727332	---	---	---	1,06	up
5927519	7340757	1721907	---	---	---	1,57	down
5927548	7273744	1557022	---	---	---	1,11	up
5927591	7217650	1417194	---	---	---	1,45	up
5927615	7274892	1559555	---	---	---	1,07	down
5927617	7373634	1805724	---	---	---	1,28	down
5927637	7258784	1519674	---	---	---	1,70	down
5927734	7243130	1480839	---	---	---	1,47	down
5927830	7098411	1123705	---	---	---	1,03	down
5927863	7088489	1099518	---	---	---	1,03	up
5927966	7179785	1324491	---	---	---	1,99	down
5927994	7131550	1205565	---	---	---	1,81	down
5928054	7330727	1697143	---	---	---	1,24	down
5928312	7108551	1148694	---	---	---	1,53	up
5928492	7137646	1220437	---	---	---	1,23	down
5928574	7117158	1169994	---	---	---	1,73	up
5928711	7049399	1008394	---	---	---	1,15	up
5928841	7279533	1571916	---	---	---	1,00	up
5928861	7364346	1780004	---	---	---	1,19	up
5928907	7043379	993638	---	---	---	1,03	up
5929018	7277719	1567068	---	---	---	1,79	up
5929029	7198210	1370985	---	---	---	1,19	down
5929084	7186106	1340503	---	---	---	2,55	up
5929091	7099573	1126714	---	---	---	1,01	down
5929118	7115362	1165593	---	---	---	1,29	down
5929141	7303616	1631327	---	---	---	1,09	down
5929218	7340838	1722048	---	---	---	1,01	up
5929249	7065655	1045258	---	---	---	1,05	down
5929270	7337845	1714334	---	---	---	1,32	up
5929297	7099517	1126495	---	---	---	1,12	up
5929377	7180732	1326738	---	---	---	1,41	down
5929680	7024628	947422	---	---	---	1,00	up
5929713	7041609	989593	---	---	---	1,09	down
5929760	7034293	971965	---	---	---	1,39	down
5929776	7214605	1409375	---	---	---	1,38	up
5929800	7030233	961176	---	---	---	1,11	down
5929815	7170764	1301447	---	---	---	1,17	up
5929896	7268736	1544316	---	---	---	1,27	up
5930035	7162959	1282088	---	---	---	1,02	up
5930104	7232340	1453532	---	---	---	1,07	up
5930129	7068259	1051642	---	---	---	1,31	up
5930223	7284934	1584914	---	---	---	1,16	down
5930475	7068697	1052769	---	---	---	1,11	up
5930518	7271213	1550650	---	---	---	1,07	down
5930610	7165954	1288770	---	---	---	1,11	down
5930743	7372840	1803770	---	---	---	1,30	down
5930856	7363576	1778194	---	---	---	1,17	up

5930886	7244290	1484160	---	---	---	1,77	down
5930914	7384509	1830747	---	---	---	1,33	up
5931016	7373906	1806372	---	---	---	1,15	up
5931058	7129688	1200557	---	---	---	1,93	up
5931096	7236358	1464222	---	---	---	2,23	down
5931220	7159177	1273349	---	---	---	1,31	down
5931302	7045955	1000739	---	---	---	1,65	down
5931309	7301140	1624537	---	---	---	1,02	down
5931415	7148978	1248545	---	---	---	1,01	up
5931469	7061550	1035289	---	---	---	1,12	up
5931545	7367948	1788971	---	---	---	1,15	up
5931569	7293646	1605413	---	---	---	2,16	down
5931704	7160053	1275382	---	---	---	1,24	down
5931714	7359453	1768454	---	---	---	2,08	down
5931716	7331434	1699200	---	---	---	1,32	up
5931730	7225317	1435358	---	---	---	1,33	down
5931863	7329846	1694987	---	---	---	1,25	down
5932153	7376566	1812868	---	---	---	1,51	up
5932157	7297589	1615661	---	---	---	1,11	down
5932274	7211363	1402043	---	---	---	1,88	down
5932372	7132125	1206624	---	---	---	1,09	up
5932400	7069830	1055605	---	---	---	1,27	down
5932424	7342356	1725893	---	---	---	1,03	up
5932429	7280743	1574541	---	---	---	1,39	up
5932495	7320850	1674403	---	---	---	1,67	up
5932553	7380497	1821833	---	---	---	1,02	up
5932671	7185622	1339218	---	---	---	1,00	up
5932731	7339379	1718343	---	---	---	1,14	up
5932774	7064732	1042910	---	---	---	1,77	down
5932807	7243653	1482554	---	---	---	1,19	down
5932910	7344406	1731186	---	---	---	1,53	down
5933039	7313411	1655423	---	---	---	1,16	up
5933066	7319937	1672309	---	---	---	1,10	up
5933071	7307485	1641336	---	---	---	1,69	up
5933077	7053874	1018331	---	---	---	1,89	up
5933267	7080106	1079750	---	---	---	1,21	up
5933334	7076236	1071199	---	---	---	1,14	down
5933446	7060851	1033426	---	---	---	1,24	up
5933470	7340990	1722516	---	---	---	1,29	down
5933480	7088625	1099881	---	---	---	1,36	up
5933521	7340838	1722063	---	---	---	1,03	up
5933524	7118157	1172515	---	---	---	1,10	down
5933533	7146245	1241349	---	---	---	1,09	up
5933577	7228520	1443766	---	---	---	1,05	down
5933686	7059375	1030076	---	---	---	1,03	down
5933737	7130889	1203866	---	---	---	1,02	down
5933755	7231835	1452279	---	---	---	1,20	down
5933761	7331719	1699913	---	---	---	1,11	up
5933767	7053874	1018348	---	---	---	1,05	down
5933769	7247229	1490544	---	---	---	1,44	up
5933931	7071969	1060902	---	---	---	1,30	down
5933975	7075445	1069352	---	---	---	1,21	down
5933993	7277783	1567476	---	---	---	1,28	up
5934102	7233923	1458163	---	---	---	1,61	down
5934111	7293402	1604807	---	---	---	1,63	up
5934172	7075445	1069352	---	---	---	1,05	down

5934173	7112225	1157557	---	---	---	1,11	down
5934240	7043535	994085	---	---	---	1,30	down
5934250	7384365	1830277	---	---	---	1,05	down
5934253	7161841	1279874	---	---	---	1,36	down
5934317	7043535	994089	---	---	---	1,07	down
5934463	7200129	1375996	---	---	---	2,13	down
5934532	7199476	1374565	---	---	---	1,11	down
5934533	7267802	1541816	---	---	---	1,12	down
5934739	7203872	1384759	---	---	---	1,15	down
5934773	7209927	1398916	---	---	---	1,27	down
5934878	7376820	1813400	---	---	---	1,06	up
5934887	7176177	1315140	---	---	---	1,42	down
5934942	7113483	1161020	---	---	---	1,07	up
5935003	7279881	1572746	---	---	---	1,34	up
5935130	7314270	1657753	---	---	---	1,21	up
5935140	7322388	1677319	---	---	---	1,34	down
5935199	7267953	1542238	---	---	---	1,86	down
5935253	7047865	1005354	---	---	---	1,03	up
5935265	7243647	1482487	---	---	---	1,06	up
5935278	7210263	1399761	---	---	---	1,40	down
5935330	7198210	1371004	---	---	---	1,49	down
5935349	7293402	1604692	---	---	---	1,06	down
5935366	7279568	1572023	---	---	---	1,49	up
5935459	7056333	1023671	---	---	---	1,51	up
5935502	7086966	1095260	---	---	---	1,29	up
5935538	7132125	1206599	---	---	---	1,56	down
5935556	7271128	1550316	---	---	---	1,05	down
5935731	7297589	1615679	---	---	---	1,07	up
5935743	7339379	1718320	---	---	---	1,00	down
5935778	7186688	1341844	---	---	---	1,42	up
5935947	7243603	1482288	---	---	---	1,19	up
5935979	7312250	1652646	---	---	---	1,19	down
5936042	7165954	1288767	---	---	---	1,29	down
5936057	7282343	1578668	---	---	---	1,04	down
5936262	7365093	1781618	---	---	---	1,08	up
5936278	7339110	1717617	---	---	---	1,50	down
5936320	7114108	1162443	---	---	---	2,12	down
5936370	7294264	1606836	---	---	---	1,07	down
5936386	7038316	981460	---	---	---	1,20	up
5936417	7346505	1736288	---	---	---	1,24	up
5936456	7175368	1313285	---	---	---	1,12	down
5936550	7342414	1726093	---	---	---	1,12	down
5936607	7099573	1126706	---	---	---	1,17	up
5936633	7321029	1674820	---	---	---	1,35	down
5936690	7139708	1225051	---	---	---	1,86	down
5936927	7318143	1668088	---	---	---	1,76	up
5937038	7323545	1679924	---	---	---	1,70	down
5937259	7098366	1123614	---	---	---	1,23	down
5937293	7053874	1018317	---	---	---	1,01	up
5937622	7038316	981460	---	---	---	1,21	down
5937729	7070869	1058491	---	---	---	1,06	down
5937779	7241163	1476819	---	---	---	1,76	up
5937792	7331829	1700180	---	---	---	1,16	down
5937798	7301879	1626620	---	---	---	1,60	up
5937820	7327169	1688472	---	---	---	1,11	down
5937843	7084993	1090683	---	---	---	1,29	down

5937944	7131360	1204975	---	---	---	1,02	down
5938107	7274780	1559182	---	---	---	1,52	up
5938236	7184850	1337601	---	---	---	1,06	down
5938406	7213908	1407758	---	---	---	1,27	down
5938565	7116103	1167608	---	---	---	1,36	up
5938568	7379492	1819698	---	---	---	1,07	down
5938572	7186440	1341258	---	---	---	1,17	up
5938632	7240569	1475396	---	---	---	1,00	up
5938686	7156061	1265839	---	---	---	1,06	down
5938701	7217650	1417171	---	---	---	1,63	up
5938726	7025652	950358	---	---	---	1,03	down
5938742	7263152	1530381	---	---	---	1,47	up
5938760	7376566	1812866	---	---	---	1,01	down
5938896	7233440	1456894	---	---	---	1,11	up
5938899	7050655	1011002	---	---	---	1,19	up
5938911	7043535	994098	---	---	---	1,40	down
5938949	7243130	1480833	---	---	---	1,14	up
5939028	7384904	1831598	---	---	---	1,32	up
5939042	7163892	1284208	---	---	---	1,02	down
5939208	7065110	1044143	---	---	---	1,01	up
5939264	7027797	956300	---	---	---	1,77	up
5939308	7112225	1157588	---	---	---	1,09	up
5939357	7341394	1723596	---	---	---	1,29	down
5939374	7384509	1830744	---	---	---	1,04	down
5939412	7040260	986052	---	---	---	1,24	down
5939472	7344406	1731193	---	---	---	1,03	down
5939484	7261592	1526858	---	---	---	1,33	up
5939578	7169732	1298758	---	---	---	1,22	down
5939580	7236358	1464242	---	---	---	1,54	down
5939625	7167507	1293118	---	---	---	1,05	up
5939641	7040260	986081	---	---	---	1,25	up
5939684	7363674	1778437	---	---	---	1,22	up
5939740	7199476	1374570	---	---	---	1,32	down
5939864	7198210	1370960	---	---	---	1,03	down
5939877	7129841	1200834	---	---	---	1,04	down
5939897	7260613	1524275	---	---	---	1,04	down
5939980	7236395	1464317	---	---	---	1,03	down
5939999	7340838	1722090	---	---	---	1,07	down
5940112	7340304	1720859	---	---	---	1,73	down
5940125	7374842	1808986	---	---	---	1,16	up
5940157	7197056	1367844	---	---	---	1,43	down
5940442	7102976	1135046	---	---	---	1,05	up
5940467	7329558	1694419	---	---	---	2,28	down
5940628	7341397	1723639	---	---	---	1,14	up
5940663	7156061	1265835	---	---	---	1,09	up
5940727	7062529	1037855	---	---	---	2,14	down
5940762	7337224	1712543	---	---	---	1,25	up
5940782	7157341	1269156	---	---	---	1,01	up
5940792	7032444	966766	---	---	---	1,22	down
5940802	7197056	1367832	---	---	---	2,28	down
5940873	7031774	964706	---	---	---	1,21	up
5940895	7287337	1589985	---	---	---	1,84	down
5940910	7025652	950258	---	---	---	1,16	down
5940953	7297154	1614241	---	---	---	1,01	down
5940990	7033337	969494	---	---	---	1,02	up
5941050	7186464	1341371	---	---	---	1,05	up

5941068	7357815	1764157	---	---	---	1,08	down
5941354	7243130	1480860	---	---	---	1,23	up
5941459	7380497	1821861	---	---	---	1,53	down
5941503	7267802	1541788	---	---	---	1,23	up
5941525	7231650	1451849	---	---	---	1,33	down
5941556	7236358	1464255	---	---	---	1,34	down
5941563	7068259	1051649	---	---	---	1,03	up
5941603	7159642	1274199	---	---	---	1,05	down
5941738	7213908	1407652	---	---	---	1,21	down
5941747	7162144	1280501	---	---	---	1,15	up
5941780	7050726	1011254	---	---	---	1,40	up
5941917	7163227	1282816	---	---	---	1,47	down
5941988	7350993	1747545	---	---	---	1,13	up
5941989	7120379	1178332	---	---	---	2,10	down
5942111	7380019	1820830	---	---	---	1,06	down
5942148	7063873	1040642	---	---	---	1,30	down
5942342	7340838	1722089	---	---	---	1,39	down
5942347	7197638	1369572	---	---	---	1,31	up
5942395	7274892	1559548	---	---	---	1,04	down
5942400	7107926	1146840	---	---	---	1,01	down
5942451	7188681	1346291	---	---	---	1,30	up
5942504	7052385	1014792	---	---	---	1,45	up
5942521	7119930	1177227	---	---	---	1,00	up
5942532	7231203	1450472	---	---	---	1,10	up
5942618	7198210	1370988	---	---	---	1,61	up
5942727	7240569	1475470	---	---	---	1,01	down
5942851	7374143	1807009	---	---	---	1,16	down
5942968	7189574	1348687	---	---	---	1,50	down
5943018	7371677	1800755	---	---	---	2,57	up
5943036	7384509	1830721	---	---	---	1,58	down
5943089	7243253	1481228	---	---	---	2,06	down
5943126	7102708	1134316	---	---	---	1,18	down
5943160	7243647	1482456	---	---	---	1,04	up
5943163	7284359	1583439	---	---	---	1,01	up
5943169	7116614	1168793	---	---	---	1,89	down
5943185	7074989	1068380	---	---	---	1,73	down
5943250	7239752	1473154	---	---	---	1,28	up
5943288	7357103	1762387	---	---	---	1,44	down
5943331	7069253	1054170	---	---	---	1,33	down
5943482	7189689	1349054	---	---	---	1,06	down
5943543	7216994	1415187	---	---	---	1,22	up
5943773	7303616	1631349	---	---	---	1,07	up
5943785	7156978	1268176	---	---	---	1,25	down
5943937	7361420	1773041	---	---	---	1,09	down
5944010	7216994	1415186	---	---	---	1,01	up
5944046	7243603	1482279	---	---	---	1,10	down
5944102	7217650	1417187	---	---	---	1,17	down
5944145	7229886	1447172	---	---	---	1,25	down
5944333	7217679	1417317	---	---	---	1,07	down
5944342	7090278	1104135	---	---	---	2,05	up
5944373	7098867	1124948	---	---	---	1,31	up
5944457	7190534	1351230	---	---	---	1,30	down
5944542	7338807	1716781	---	---	---	1,07	up
5944650	7345462	1733816	---	---	---	1,14	up
5944749	7321204	1675165	---	---	---	1,02	down
5944831	7049399	1008363	---	---	---	1,38	down

5944851	7243363	1481624	---	---	---	1,10	up
5944877	7331434	1699244	---	---	---	1,39	up
5944878	7287222	1589735	---	---	---	1,16	up
5944904	7206133	1389976	---	---	---	1,21	down
5945012	7224166	1432661	---	---	---	1,48	up
5945048	7050557	1010789	---	---	---	1,15	up
5945367	7370843	1798382	---	---	---	1,16	up
5945405	7258520	1518883	---	---	---	1,91	up
5945440	7111573	1156014	---	---	---	1,01	up
5945478	7186106	1340501	---	---	---	1,14	up
5945494	7267953	1542230	---	---	---	1,53	down
5945506	7363674	1778421	---	---	---	1,05	down
5945521	7075424	1069283	---	---	---	1,02	down
5945609	7277719	1567079	---	---	---	1,14	down
5945651	7329846	1694993	---	---	---	1,13	down
5945692	7075424	1069305	---	---	---	1,35	up
5945731	7117187	1170158	---	---	---	1,03	down
5945812	7336931	1711860	---	---	---	1,12	down
5945846	7144389	1236781	---	---	---	1,02	down
5945864	7337224	1712606	---	---	---	1,71	up
5945912	7357890	1764389	---	---	---	1,48	up
5945941	7207758	1393826	---	---	---	1,23	up
5945963	7036412	976857	---	---	---	1,29	down
5946013	7156052	1265784	---	---	---	1,22	down
5946037	7186106	1340504	---	---	---	1,28	down
5946116	7243653	1482528	---	---	---	1,35	up
5946187	7303616	1631355	---	---	---	1,10	down
5946265	7143455	1234731	---	---	---	1,18	up
5946272	7067828	1050795	---	---	---	1,14	up
5946304	7337845	1714347	---	---	---	1,50	up
5946354	7342959	1727345	---	---	---	1,26	down
5946358	7315571	1660971	---	---	---	1,35	up
5946399	7059584	1030550	---	---	---	1,08	up
5946432	7097525	1121059	---	---	---	1,05	down
5946547	7180620	1326383	---	---	---	1,38	down
5946572	7097680	1121742	---	---	---	1,05	up
5946601	7374740	1808627	---	---	---	1,25	up
5946775	7303616	1631356	---	---	---	1,22	up
5946853	7243253	1481232	---	---	---	1,03	down
5946867	7087965	1098034	---	---	---	1,35	up
5946878	7068259	1051627	---	---	---	1,41	up
5946907	7364995	1781316	---	---	---	1,27	down
5946991	7297589	1615663	---	---	---	1,04	down
5947066	7156061	1265808	---	---	---	1,15	up
5947145	7287222	1589718	---	---	---	1,13	down
5947152	7029770	960157	---	---	---	1,15	up
5947158	7308679	1644246	---	---	---	1,01	down
5947165	7170764	1301472	---	---	---	1,02	down
5947183	7244378	1484399	---	---	---	1,09	down
5947212	7330659	1697060	---	---	---	1,08	up
5947235	7319065	1669983	---	---	---	1,50	down
5947387	7340757	1721899	---	---	---	1,47	down
5947413	7363674	1778440	---	---	---	1,49	up
5947709	7064224	1041782	---	---	---	1,42	down
5947733	7168858	1296827	---	---	---	1,01	up
5947806	7368684	1791860	---	---	---	1,52	up

5947898	7243130	1480918	---	---	---	1,11	up
5948036	7172373	1305568	---	---	---	1,07	up
5948242	7312338	1652777	---	---	---	1,41	down
5948502	7111573	1156019	---	---	---	1,03	down
5948550	7350489	1746118	---	---	---	1,70	down
5948553	7189689	1349048	---	---	---	1,08	up
5948592	7049399	1008338	---	---	---	1,34	down
5948628	7086966	1095242	---	---	---	1,17	down
5948698	7380497	1821866	---	---	---	1,01	down
5948896	7279568	1572033	---	---	---	1,76	up
5948973	7098077	1122727	---	---	---	1,34	down
5948996	7350237	1745496	---	---	---	1,28	down
5949015	7039308	983908	---	---	---	1,31	down
5949024	7241136	1476726	---	---	---	1,01	down
5949207	7230611	1448823	---	---	---	1,61	up
5949223	7285897	1586638	---	---	---	1,20	up
5949299	7108345	1148075	---	---	---	1,48	down
5949313	7330396	1696372	---	---	---	1,03	down
5949344	7152974	1257656	---	---	---	1,12	up
5949351	7096898	1119520	---	---	---	1,02	down
5949417	7280743	1574561	---	---	---	1,26	up
5949425	7297589	1615621	---	---	---	1,19	down
5949444	7065110	1044147	---	---	---	1,33	up
5949512	7112225	1157567	---	---	---	1,01	up
5949584	7240569	1475304	---	---	---	1,11	up
5949623	7027759	956129	---	---	---	1,57	down
5949694	7320337	1673336	---	---	---	1,07	down
5949813	7043379	993638	---	---	---	2,00	up
5949929	7363674	1778421	---	---	---	2,05	up
5949938	7331434	1699238	---	---	---	1,01	down
5950014	7238252	1469133	---	---	---	1,04	down
5950066	7360325	1770511	---	---	---	1,23	up
5950076	7279586	1572074	---	---	---	1,01	up
5950234	7110330	1152890	---	---	---	2,35	down
5950335	7166497	1290372	---	---	---	1,46	up
5950439	7260613	1524269	---	---	---	1,08	down
5950502	7363674	1778430	---	---	---	1,13	down
5950535	7071714	1060355	---	---	---	1,05	up
5950671	7189689	1349033	---	---	---	1,09	down
5950718	7307424	1641141	---	---	---	1,13	up
5950891	7244288	1484128	---	---	---	1,35	down
5950906	7370001	1795759	---	---	---	1,02	down
5950956	7286807	1588775	---	---	---	1,64	down
5950998	7052385	1014804	---	---	---	1,62	down
5951019	7350993	1747526	---	---	---	1,20	up
5951159	7064905	1043438	---	---	---	1,08	down
5951223	7064732	1042933	---	---	---	2,11	down
5951255	7131360	1204971	---	---	---	1,45	down
5951278	7148271	1246645	---	---	---	1,08	down
5951347	7370128	1796169	---	---	---	1,65	down
5951365	7033672	970361	---	---	---	1,11	up
5951396	7338807	1716821	---	---	---	1,25	up
5951460	7156061	1265839	---	---	---	1,05	up
5951482	7236358	1464264	---	---	---	1,36	up
5951485	7361420	1773055	---	---	---	1,01	down
5951490	7303616	1631351	---	---	---	1,12	up

5951573	7098126	1122983	---	---	---	1,77	down
5951611	7056304	1023603	---	---	---	1,25	up
5951711	7373678	1805871	---	---	---	1,11	up
5951863	7359551	1768623	---	---	---	1,27	up
5952007	7358859	1766972	---	---	---	1,09	up
5952079	7147809	1245466	---	---	---	1,11	down
5952083	7233440	1456902	---	---	---	1,98	down
5952226	7349643	1744191	---	---	---	1,63	down
5952227	7369129	1793291	---	---	---	1,59	down
5952294	7150631	1252185	---	---	---	1,08	up
5952435	7060851	1033408	---	---	---	1,15	up
5952443	7337845	1714343	---	---	---	1,06	up
5952545	7240569	1475447	---	---	---	1,11	up
5952564	7351951	1749854	---	---	---	2,44	down
5952594	7234040	1458504	---	---	---	1,89	up
5952600	7078666	1076529	---	---	---	1,22	up
5952629	7330238	1695927	---	---	---	1,13	down
5952670	7239939	1473785	---	---	---	1,12	down
5952702	7243130	1480942	---	---	---	1,12	down
5952749	7162959	1282089	---	---	---	1,07	up
5952896	7336250	1710171	---	---	---	1,64	down
5952924	7219605	1422078	---	---	---	1,06	down
5952930	7037235	978573	---	---	---	1,11	up
5953005	7042382	991289	---	---	---	1,26	down
5953006	7032204	966154	---	---	---	1,68	down
5953268	7313411	1655447	---	---	---	1,56	up
5953270	7230611	1448801	---	---	---	1,10	down
5953504	7032204	966173	---	---	---	1,03	down
5953532	7024628	947422	---	---	---	1,02	down
5953547	7297589	1615623	---	---	---	1,15	up
5953553	7307721	1641993	---	---	---	1,27	up
5953576	7094139	1112914	---	---	---	1,01	down
5953625	7038530	981872	---	---	---	1,02	up
5953661	7274780	1559217	---	---	---	2,39	down
5953795	7261592	1526843	---	---	---	1,03	down
5953902	7181105	1327967	---	---	---	1,25	up
5953978	7132125	1206633	---	---	---	1,02	down
5954043	7331297	1698819	---	---	---	1,00	up
5954111	7052813	1015930	---	---	---	1,14	down
5954129	7279568	1572034	---	---	---	1,14	up
5954135	7181105	1327967	---	---	---	1,42	down
5954150	7086966	1095274	---	---	---	1,01	down
5954190	7178060	1320153	---	---	---	1,67	up
5954319	7346066	1735313	---	---	---	1,04	up
5954374	7314270	1657723	---	---	---	1,01	down
5954379	7287222	1589736	---	---	---	1,00	up
5954443	7038669	982184	---	---	---	1,07	down
5954506	7049399	1008397	---	---	---	1,47	down
5954545	7028624	957994	---	---	---	1,04	up
5954554	7341002	1722552	---	---	---	1,05	up
5954557	7041609	989560	---	---	---	1,23	down
5954558	7072552	1062144	---	---	---	1,01	down
5954669	7149817	1250310	---	---	---	4,61	down
5954792	7315206	1660026	---	---	---	1,03	down
5954804	7239752	1473180	---	---	---	1,02	up
5954818	7307721	1642004	---	---	---	1,08	down

5954915	7312627	1653488	---	---	---	1,27	down
5955024	7373633	1805714	---	---	---	1,12	down
5955028	7332059	1700727	---	---	---	1,49	up
5955106	7338807	1716813	---	---	---	1,12	up
5955121	7139026	1223493	---	---	---	1,15	up
5955237	7361042	1772258	---	---	---	1,04	up
5955341	7244290	1484153	---	---	---	1,11	down
5955364	7092965	1110168	---	---	---	1,11	up
5955393	7217679	1417291	---	---	---	1,41	down
5955422	7088625	1099866	---	---	---	1,28	down
5955428	7092965	1110200	---	---	---	1,51	down
5955431	7233012	1455413	---	---	---	1,02	down
5955489	7307721	1641985	---	---	---	1,24	down
5955503	7243098	1480751	---	---	---	1,07	up
5955519	7156061	1265837	---	---	---	1,01	down
5955522	7052813	1015900	---	---	---	1,05	up
5955558	7139708	1225058	---	---	---	1,64	up
5955643	7255522	1511454	---	---	---	2,33	up
5955683	7320337	1673324	---	---	---	1,05	down
5955806	7156978	1268177	---	---	---	1,11	down
5955849	7274780	1559253	---	---	---	1,07	down
5955923	7195903	1365330	---	---	---	1,19	down
5956012	7229886	1447143	---	---	---	1,01	down
5956061	7217747	1417488	---	---	---	1,26	down
5956129	7086522	1093957	---	---	---	2,77	down
5956331	7342356	1725892	---	---	---	1,75	up
5956394	7172988	1307332	---	---	---	1,18	up
5956561	7341546	1723944	---	---	---	1,05	up
5956580	7344530	1731572	---	---	---	1,02	up
5956594	7368684	1791856	---	---	---	1,51	up
5956647	7231152	1450276	---	---	---	1,80	up
5956658	7142081	1230948	---	---	---	1,24	down
5956714	7092549	1109177	---	---	---	1,31	down
5956745	7097485	1120949	---	---	---	1,48	up
5956879	7341397	1723625	---	---	---	1,01	up
5957018	7211363	1402040	---	---	---	1,11	down
5957020	7368729	1792053	---	---	---	1,61	up
5957022	7062927	1038650	---	---	---	1,14	down
5957038	7234040	1458482	---	---	---	1,21	up
5957055	7199476	1374524	---	---	---	1,81	down
5957064	7235069	1460976	---	---	---	1,26	down
5957106	7279568	1572008	---	---	---	1,07	up
5957120	7268375	1543446	---	---	---	1,13	down
5957193	7060851	1033425	---	---	---	1,63	down
5957270	7092965	1110175	---	---	---	1,14	up
5957334	7380019	1820828	---	---	---	1,30	down
5957390	7102369	1133428	---	---	---	1,10	up
5957429	7172373	1305565	---	---	---	1,33	down
5957564	7103811	1137067	---	---	---	1,21	up
5957730	7277719	1567095	---	---	---	1,05	up
5957776	7094130	1112872	---	---	---	1,13	down
5957808	7263152	1530361	---	---	---	1,20	up
5957924	7340757	1721905	---	---	---	1,05	down
5957984	7373658	1805796	---	---	---	1,44	down
5958000	7363674	1778440	---	---	---	1,30	down
5958048	7083030	1086262	---	---	---	1,03	down

5958605	7341253	1723263	---	---	---	1,01	down
5958668	7338807	1716823	---	---	---	1,19	up
5958683	7155624	1264725	---	---	---	1,00	up
5958717	7062436	1037709	---	---	---	1,04	down
5958770	7193987	1360667	---	---	---	1,54	down
5958900	7041609	989558	---	---	---	1,34	down
5958987	7088164	1098471	---	---	---	1,10	up
5959039	7301900	1626739	---	---	---	1,00	up
5959128	7372840	1803780	---	---	---	1,87	up
5959138	7114108	1162443	---	---	---	1,31	up
5959241	7350489	1746119	---	---	---	1,45	up
5959273	7322020	1676650	---	---	---	1,14	up
5959288	7336250	1710171	---	---	---	1,99	up
5959331	7189574	1348690	---	---	---	1,39	up
5959454	7052567	1015258	---	---	---	1,03	up
5959521	7162177	1280583	---	---	---	1,33	up
5959523	7350237	1745483	---	---	---	1,33	down
5959536	7247848	1492058	---	---	---	1,56	down
5959773	7340990	1722501	---	---	---	1,01	down
5959918	7337224	1712615	---	---	---	1,21	up
5959979	7139708	1225068	---	---	---	1,04	up
5960009	7142081	1230986	---	---	---	1,79	down
5960161	7264274	1533174	---	---	---	1,42	down
5960199	7297589	1615634	---	---	---	1,21	up
5960280	7086966	1095289	---	---	---	1,52	down
5960283	7367262	1786892	---	---	---	1,95	down
5960313	7087965	1098063	---	---	---	1,05	up
5960389	7188685	1346304	---	---	---	1,17	up
5960458	7286807	1588781	---	---	---	1,12	up
5960514	7373417	1805090	---	---	---	1,08	up
5960561	7243363	1481623	---	---	---	1,90	down
5960929	7360325	1770560	---	---	---	1,78	up
5960938	7350489	1746112	---	---	---	1,26	up
5961010	7070869	1058491	---	---	---	1,01	down
5961075	7150348	1251418	---	---	---	1,01	up
5961122	7243603	1482290	---	---	---	1,08	up
5961144	7131103	1204322	---	---	---	2,89	down
5961159	7049399	1008374	---	---	---	1,01	up
5961198	7197056	1367846	---	---	---	1,21	down
5961341	7357890	1764389	---	---	---	1,51	down
5961409	7368004	1789336	---	---	---	1,26	down
5961432	7384509	1830728	---	---	---	1,07	down
5961461	7172373	1305582	---	---	---	1,02	up
5961496	7112225	1157563	---	---	---	1,27	up
5961548	7112225	1157554	---	---	---	1,01	down
5961556	7115880	1166838	---	---	---	1,24	down
5961573	7326322	1686608	---	---	---	1,18	up
5961598	7307721	1641992	---	---	---	1,11	down
5961704	7280743	1574476	---	---	---	1,06	up
5961898	7123357	1185595	---	---	---	2,17	down
5961909	7332059	1700731	---	---	---	1,24	up
5961938	7132125	1206627	---	---	---	1,22	down
5962032	7183182	1333551	---	---	---	1,13	down
5962191	7193056	1358253	---	---	---	1,16	down
5962218	7212735	1405027	---	---	---	1,01	up
5962259	7089381	1102066	---	---	---	1,46	down

5962322	7088164	1098464	---	---	---	1,77	up
5962338	7279881	1572714	---	---	---	1,18	up
5962492	7040260	986078	---	---	---	1,04	up
5962530	7027795	956273	---	---	---	1,53	down
5962655	7148978	1248546	---	---	---	1,20	down
5962772	7327169	1688441	---	---	---	1,29	up
5962798	7120827	1179339	---	---	---	1,16	down
5962967	7101643	1131574	---	---	---	1,03	down
5963020	7034293	971990	---	---	---	1,18	down
5963103	7287337	1589995	---	---	---	1,32	down
5963146	7359551	1768621	---	---	---	1,06	up
5963168	7130889	1203884	---	---	---	1,07	up
5963259	7174149	1310527	---	---	---	1,13	down
5963296	7271828	1552288	---	---	---	1,03	down
5963332	7086522	1093952	---	---	---	1,33	up
5963388	7363674	1778409	---	---	---	1,04	down
5963428	7267802	1541841	---	---	---	1,25	up
5963509	7276231	1563085	---	---	---	1,05	down
5963615	7107926	1146831	---	---	---	1,00	down
5963797	7049399	1008413	---	---	---	1,04	up
5963962	7339379	1718318	---	---	---	1,45	down
5964120	7088164	1098461	---	---	---	1,19	up
5964294	7232340	1453533	---	---	---	1,07	up
5964375	7115362	1165592	---	---	---	1,19	down
5964382	7218259	1418805	---	---	---	1,17	down
5964389	7198210	1370978	---	---	---	1,06	up
5964450	7339110	1717605	---	---	---	1,16	up
5964463	7231203	1450399	---	---	---	1,17	down
5964482	7266838	1538999	---	---	---	2,48	down
5964483	7337260	1712805	---	---	---	1,26	up
5964645	7360486	1770971	---	---	---	1,02	up
5964663	7148978	1248454	---	---	---	1,05	down
5964693	7107926	1146839	---	---	---	1,15	down
5964722	7193056	1358287	---	---	---	1,06	up
5964767	7325674	1685227	---	---	---	1,12	down
5964796	7116614	1168792	---	---	---	1,08	up
5964831	7255663	1511726	---	---	---	1,23	up
5964963	7253408	1505933	---	---	---	1,10	up
5964992	7153571	1259032	---	---	---	1,51	up
5965048	7065266	1044582	---	---	---	1,08	up
5965260	7068259	1051593	---	---	---	1,04	down
5965460	7110330	1152921	---	---	---	2,34	up
5965586	7186464	1341368	---	---	---	1,13	up
5965748	7198210	1370971	---	---	---	1,14	down
5965761	7087965	1098062	---	---	---	1,27	down
5965935	7239752	1473171	---	---	---	1,03	up
5965960	7281950	1577781	---	---	---	1,35	up
5966040	7069830	1055613	---	---	---	1,08	up
5966065	7153571	1259034	---	---	---	2,04	up
5966086	7156052	1265760	---	---	---	1,07	down
5966229	7303616	1631387	---	---	---	1,07	down
5966426	7384073	1829456	---	---	---	1,52	up
5966511	7316452	1663564	---	---	---	1,03	down
5966528	7180620	1326387	---	---	---	1,31	down
5966590	7050065	1009550	---	---	---	1,36	down
5966633	7193056	1358289	---	---	---	1,07	up

5966708	7354688	1756375	---	---	---	1,00	up
5966810	7156052	1265780	---	---	---	1,34	up
5966999	7365183	1781905	---	---	---	1,17	down
5967110	7069830	1055605	---	---	---	1,19	up
5967185	7061550	1035285	---	---	---	1,55	up
5967188	7371446	1800082	---	---	---	1,33	up
5967259	7384509	1830734	---	---	---	1,07	up
5967265	7142081	1230959	---	---	---	1,89	down
5967267	7351951	1749839	---	---	---	1,14	down
5967364	7344702	1732140	---	---	---	1,15	down
5967380	7193056	1358281	---	---	---	1,20	down
5967498	7193513	1359444	---	---	---	1,08	up
5967520	7169599	1298443	---	---	---	1,03	up
5967558	7032618	967329	---	---	---	1,01	up
5967591	7247228	1490522	---	---	---	1,20	up
5967650	7069830	1055640	---	---	---	1,01	up
5967662	7323545	1679927	---	---	---	1,60	up
5967881	7333152	1702957	---	---	---	2,35	up
5968135	7291129	1599597	---	---	---	1,14	up
5968224	7034293	971885	---	---	---	1,29	down
5968226	7108551	1148707	---	---	---	1,10	down
5968252	7303616	1631312	---	---	---	1,11	down
5968265	7039265	983656	---	---	---	1,03	up
5968332	7243647	1482452	---	---	---	1,01	up
5968461	7369031	1793014	---	---	---	1,19	down
5968519	7144088	1236177	---	---	---	1,12	up
5968552	7295410	1609733	---	---	---	1,23	up
5968554	7029078	958879	---	---	---	1,33	down
5968637	7159642	1274198	---	---	---	1,55	up
5968683	7308679	1644252	---	---	---	1,66	up
5968739	7131764	1205853	---	---	---	1,06	up
5968785	7364346	1780005	---	---	---	1,35	up
5968834	7105375	1140970	---	---	---	1,20	down
5968930	7376820	1813414	---	---	---	1,09	up
5969028	7195903	1365331	---	---	---	1,65	up
5969056	7114108	1162458	---	---	---	1,37	up
5969287	7159642	1274219	---	---	---	2,11	down
5969311	7040260	986072	---	---	---	1,31	down
5969357	7052813	1015929	---	---	---	2,43	up
5969490	7341253	1723269	---	---	---	1,60	up
5969588	7303616	1631314	---	---	---	1,18	up
5969672	7257976	1517712	---	---	---	1,49	down
5969683	7201217	1378762	---	---	---	1,03	down
5969857	7070869	1058502	---	---	---	1,22	up
5969901	7266532	1538297	---	---	---	1,27	up
5969912	7370475	1797139	---	---	---	1,08	up
5969939	7373417	1805098	---	---	---	1,09	up
5970072	7148978	1248495	---	---	---	1,24	down
5970096	7342356	1725900	---	---	---	1,55	up
5970224	7291032	1599340	---	---	---	1,01	up
5970342	7031576	964112	---	---	---	1,13	down
5970365	7299512	1620554	---	---	---	1,49	down
5970392	7263152	1530360	---	---	---	1,04	up
5970405	7067828	1050785	---	---	---	2,01	up
5970479	7117158	1170034	---	---	---	1,37	down
5970512	7060851	1033356	---	---	---	1,15	down

5970690	7243647	1482464	---	---	---	1,20	up
5970692	7340757	1721908	---	---	---	1,08	down
5970693	7166439	1290101	---	---	---	1,90	up
5970722	7131764	1205858	---	---	---	1,20	down
5970752	7319259	1670403	---	---	---	1,43	up
5970787	7153571	1259039	---	---	---	1,07	up
5970801	7247848	1492070	---	---	---	1,29	up
5970869	7381352	1823742	---	---	---	1,23	down
5970879	7229886	1447160	---	---	---	1,25	up
5970929	7040260	986089	---	---	---	1,14	down
5970947	7339387	1718375	---	---	---	1,17	down
5970963	7038610	982077	---	---	---	1,18	down
5970966	7264085	1532718	---	---	---	1,41	down
5971031	7151063	1253071	---	---	---	1,68	up
5971118	7117187	1170161	---	---	---	1,02	up
5971145	7253272	1505547	---	---	---	1,15	down
5971172	7267802	1541837	---	---	---	1,34	down
5971197	7099030	1125342	---	---	---	2,09	down
5971319	7092549	1109184	---	---	---	1,17	down
5971542	7201217	1378765	---	---	---	1,08	up
5971604	7074132	1066324	---	---	---	1,22	up
5971714	7068073	1051176	---	---	---	1,01	down
5971847	7289382	1595198	---	---	---	1,31	up
5971938	7095262	1115650	---	---	---	2,16	up
5972005	7258545	1518926	---	---	---	1,08	down
5972020	7352044	1750008	---	---	---	1,24	up
5972077	7092965	1110158	---	---	---	1,02	down
5972118	7267802	1541754	---	---	---	1,05	up
5972149	7193513	1359467	---	---	---	1,28	up
5972181	7297589	1615677	---	---	---	1,02	up
5972192	7217679	1417319	---	---	---	1,05	up
5972195	7203872	1384777	---	---	---	1,06	down
5972213	7031774	964762	---	---	---	1,02	down
5972223	7073928	1065804	---	---	---	8,15	down
5972263	7115362	1165595	---	---	---	1,03	up
5972282	7377583	1815457	---	---	---	1,03	down
5972310	7033672	970365	---	---	---	1,87	down
5972495	7276231	1563103	---	---	---	1,08	down
5972775	7331602	1699632	---	---	---	1,23	down
5972855	7316644	1664053	---	---	---	1,03	down
5972880	7117526	1171019	---	---	---	1,14	down
5973011	7266778	1538854	---	---	---	1,04	up
5973025	7361420	1773037	---	---	---	1,09	down
5973103	7123357	1185595	---	---	---	1,74	down
5973133	7357103	1762383	---	---	---	1,16	up
5973238	7231835	1452281	---	---	---	1,25	up
5973269	7380497	1821873	---	---	---	1,12	down
5973445	7243130	1480917	---	---	---	1,18	up
5973458	7303616	1631343	---	---	---	1,07	up
5973585	7038316	981463	---	---	---	1,15	up
5973604	7273223	1555892	---	---	---	1,25	down
5973625	7057966	1026820	---	---	---	1,39	up
5973662	7233298	1456282	---	---	---	1,02	down
5973677	7088489	1099525	---	---	---	1,15	up
5973702	7244602	1484776	---	---	---	1,03	up
5973731	7236254	1464066	---	---	---	1,13	down

5973765	7097680	1121734	---	---	---	1,14	up
5973779	7181961	1330343	---	---	---	2,32	down
5973787	7068853	1053128	---	---	---	1,44	down
5973819	7068259	1051608	---	---	---	1,03	down
5973877	7248790	1494518	---	---	---	1,23	down
5973919	7340838	1722048	---	---	---	2,01	down
5973953	7240569	1475464	---	---	---	1,32	down
5973982	7374143	1807010	---	---	---	1,10	down
5974065	7189184	1347598	---	---	---	1,22	down
5974124	7349817	1744643	---	---	---	1,11	down
5974129	7058713	1028664	---	---	---	1,12	down
5974168	7101400	1130922	---	---	---	1,07	down
5974203	7243603	1482292	---	---	---	1,21	up
5974257	7231152	1450277	---	---	---	2,49	up
5974262	7032204	966150	---	---	---	1,08	up
5974331	7076160	1070871	---	---	---	1,23	up
5974648	7224166	1432676	---	---	---	1,23	down
5974806	7037764	979979	---	---	---	1,34	up
5974835	7059766	1030978	---	---	---	1,48	down
5974851	7358048	1764802	---	---	---	1,99	down
5974906	7034293	971978	---	---	---	1,11	down
5974913	7054147	1018974	---	---	---	1,28	up
5975024	7104955	1140118	---	---	---	1,04	up
5975070	7129841	1200830	---	---	---	1,59	down
5975135	7240569	1475451	---	---	---	1,01	down
5975201	7244602	1484758	---	---	---	1,13	down
5975207	7072552	1062134	---	---	---	1,19	up
5975450	7092549	1109119	---	---	---	1,16	down
5975500	7229909	1447248	---	---	---	1,51	down
5975537	7357815	1764147	---	---	---	1,36	up
5975660	7287238	1589771	---	---	---	1,30	down
5975687	7169599	1298444	---	---	---	1,18	up
5975759	7032618	967317	---	---	---	1,09	down
5975794	7092549	1109127	---	---	---	1,56	down
5976015	7111573	1156031	---	---	---	1,10	up
5976191	7339387	1718383	---	---	---	1,04	up
5976330	7375958	1811479	---	---	---	1,03	up
5976387	7186106	1340495	---	---	---	1,06	up
5976449	7274780	1559213	---	---	---	1,17	up
5976464	7186688	1341846	---	---	---	1,07	up
5976501	7148661	1247674	---	---	---	1,74	down
5976586	7369129	1793282	---	---	---	1,17	down
5976663	7360486	1770950	---	---	---	1,02	up
5976719	7286807	1588830	---	---	---	1,08	down
5976788	7231203	1450393	---	---	---	1,36	up
5976806	7249503	1496190	---	---	---	1,13	up
5976811	7380497	1821824	---	---	---	1,50	up
5976908	7323522	1679833	---	---	---	1,05	down
5977030	7180243	1325513	---	---	---	1,50	down
5977044	7095008	1115059	---	---	---	1,29	up
5977045	7188681	1346292	---	---	---	1,13	up
5977119	7213945	1407832	---	---	---	1,81	down
5977197	7346066	1735322	---	---	---	1,16	up
5977302	7196233	1366098	---	---	---	1,43	down
5977379	7069253	1054161	---	---	---	1,12	up
5977451	7330238	1695920	---	---	---	1,49	up

5977517	7363576	1778195	---	---	---	1,09	down
5977627	7065266	1044583	---	---	---	1,29	up
5977836	7039223	983574	---	---	---	1,39	down
5977946	7292154	1601671	---	---	---	1,18	up
5977993	7180732	1326733	---	---	---	1,00	up
5978130	7235069	1460986	---	---	---	1,07	down
5978186	7286807	1588786	---	---	---	1,39	up
5978194	7052567	1015266	---	---	---	1,14	up
5978209	7029770	960158	---	---	---	1,05	up
5978287	7139708	1225069	---	---	---	1,32	down
5978323	7059375	1030071	---	---	---	1,09	up
5978458	7240569	1475517	---	---	---	1,01	up
5978462	7369939	1795621	---	---	---	1,64	down
5978488	7038971	982984	---	---	---	1,01	up
5978494	7289909	1596508	---	---	---	1,23	up
5978560	7053874	1018324	---	---	---	1,22	down
5978757	7050557	1010800	---	---	---	1,22	down
5978783	7216676	1414428	---	---	---	1,02	down
5978905	7131360	1204978	---	---	---	1,01	down
5979002	7261766	1527160	---	---	---	1,18	down
5979161	7355220	1758094	---	---	---	1,14	down
5979182	7334347	1705743	---	---	---	1,23	down
5979238	7349946	1744941	---	---	---	1,06	down
5979265	7025652	950234	---	---	---	1,17	down
5979268	7136062	1216304	---	---	---	1,34	down
5979288	7083030	1086243	---	---	---	1,05	up
5979334	7086751	1094633	---	---	---	1,22	up
5979354	7319259	1670401	---	---	---	1,04	down
5979360	7355220	1758094	---	---	---	1,00	down
5979370	7093936	1112479	---	---	---	1,50	down
5979377	7374842	1808981	---	---	---	1,37	down
5979426	7325674	1685219	---	---	---	1,15	up
5979450	7099573	1126713	---	---	---	1,28	down
5979471	7267802	1541849	---	---	---	1,08	up
5979572	7247848	1492067	---	---	---	1,26	up
5979618	7025652	950293	---	---	---	1,12	up
5979641	7122486	1183421	---	---	---	1,07	down
5979655	7376820	1813412	---	---	---	1,22	down
5979703	7303616	1631330	---	---	---	1,00	up
5979753	7316644	1664020	---	---	---	1,13	up
5979782	7068853	1053118	---	---	---	1,17	up
5979831	7266706	1538746	---	---	---	1,13	up
5979855	7343092	1727650	---	---	---	1,12	up
5979934	7351333	1748159	---	---	---	1,05	up
5979937	7280743	1574549	---	---	---	1,18	down
5980002	7075096	1068584	---	---	---	1,12	down
5980101	7297589	1615607	---	---	---	1,19	down
5980131	7069464	1054673	---	---	---	1,06	up
5980186	7057277	1025526	---	---	---	1,85	up
5980221	7364995	1781300	---	---	---	1,10	down
5980318	7136062	1216304	---	---	---	1,06	down
5980478	7034532	972649	---	---	---	1,78	down
5980524	7207069	1392025	---	---	---	1,72	down
5980705	7058713	1028664	---	---	---	1,03	up
5980738	7094158	1112970	---	---	---	1,37	up
5980879	7258670	1519347	---	---	---	1,07	up

5980941	7365183	1781905	---	---	---	1,19	down
5980959	7145669	1240016	---	---	---	1,08	down
5981050	7197820	1370086	---	---	---	1,43	down
5981191	7287222	1589721	---	---	---	1,16	down
5981265	7049399	1008398	---	---	---	1,03	up
5981268	7115907	1166942	---	---	---	1,58	down
5981352	7280743	1574532	---	---	---	1,05	up
5981357	7072552	1062144	---	---	---	1,21	up
5981423	7363674	1778408	---	---	---	1,14	up
5981489	7073854	1065624	---	---	---	1,32	down
5981635	7380497	1821837	---	---	---	1,38	up
5981659	7240569	1475490	---	---	---	1,95	up
5981714	7249503	1496224	---	---	---	1,34	down
5981765	7142081	1230978	---	---	---	1,05	down
5981841	7248790	1494493	---	---	---	1,12	down
5981857	7240569	1475471	---	---	---	1,00	up
5981880	7056304	1023547	---	---	---	1,25	up
5981903	7210263	1399749	---	---	---	2,46	down
5981982	7364346	1779990	---	---	---	1,62	up
5982022	7218728	1419917	---	---	---	1,47	down
5982061	7264085	1532719	---	---	---	1,05	down
5982142	7311367	1650726	---	---	---	2,61	down
5982179	7236492	1464535	---	---	---	1,63	up
5982235	7123357	1185604	---	---	---	1,02	up
5982359	7361420	1773069	---	---	---	1,08	up
5982400	7297589	1615633	---	---	---	1,34	down
5982446	7034756	973236	---	---	---	1,21	up
5982477	7119556	1176077	---	---	---	1,16	down
5982510	7330238	1695952	---	---	---	1,54	down
5982541	7374630	1808326	---	---	---	1,41	down
5982722	7174149	1310491	---	---	---	1,16	down
5982724	7273983	1557528	---	---	---	1,48	up
5982810	7099517	1126497	---	---	---	1,01	down
5982833	7331237	1698721	---	---	---	1,04	down
5982994	7352100	1750203	---	---	---	1,13	down
5983005	7037764	979987	---	---	---	1,05	up
5983063	7300906	1624051	---	---	---	1,11	down
5983114	7232029	1452749	---	---	---	1,20	down
5983242	7236358	1464247	---	---	---	1,45	down
5983465	7303616	1631378	---	---	---	1,02	up
5983694	7068259	1051646	---	---	---	1,15	up
5983793	7292517	1602555	---	---	---	1,15	up
5983898	7243603	1482276	---	---	---	1,30	up
5983918	7287238	1589774	---	---	---	1,20	down
5983947	7316644	1664049	---	---	---	1,76	down
5984009	7240569	1475324	---	---	---	1,06	down
5984062	7156978	1268184	---	---	---	1,06	up
5984102	7156052	1265751	---	---	---	1,06	down
5984106	7191983	1355170	---	---	---	1,21	down
5984171	7242490	1479427	---	---	---	1,73	up
5984223	7156114	1266043	---	---	---	1,58	down
5984396	7031576	964108	---	---	---	1,15	down
5984405	7217747	1417486	---	---	---	1,15	up
5984482	7210780	1400874	---	---	---	1,33	down
5984608	7132125	1206626	---	---	---	1,04	down
5984627	7170832	1301811	---	---	---	1,09	down

5984782	7244290	1484155	---	---	---	1,11	down
5984827	7076236	1071193	---	---	---	1,18	up
5984854	7384073	1829462	---	---	---	1,23	down
5984869	7171034	1302293	---	---	---	1,13	down
5984912	7060851	1033437	---	---	---	1,38	up
5985056	7318631	1669025	---	---	---	1,59	up
5985091	7360325	1770559	---	---	---	1,20	down
5985252	7052385	1014795	---	---	---	1,39	down
5985330	7340057	1720324	---	---	---	1,11	up
5985336	7240569	1475443	---	---	---	1,23	down
5985350	7240569	1475390	---	---	---	1,10	down
5985353	7340990	1722511	---	---	---	1,04	down
5985387	7233440	1456829	---	---	---	1,02	up
5985415	7064134	1041468	---	---	---	2,43	up
5985458	7249917	1497390	---	---	---	1,67	up
5985635	7064224	1041798	---	---	---	1,20	up
5985671	7350993	1747543	---	---	---	1,43	up
5985703	7245874	1487595	---	---	---	1,28	up
5985769	7137646	1220431	---	---	---	1,28	up
5985808	7263152	1530350	---	---	---	1,16	up
5985816	7118196	1172701	---	---	---	1,20	up
5985845	7319937	1672292	---	---	---	2,28	up
5985870	7060851	1033376	---	---	---	1,10	down
5985873	7232029	1452785	---	---	---	1,70	down
5985919	7198210	1370991	---	---	---	1,20	down
5985923	7065823	1045714	---	---	---	1,12	down
5986111	7098867	1124951	---	---	---	1,03	up
5986155	7238252	1469133	---	---	---	1,19	down
5986158	7263152	1530386	---	---	---	1,00	up
5986245	7032444	966758	---	---	---	1,32	down
5986286	7246548	1489157	---	---	---	1,31	down
5986382	7155116	1263435	---	---	---	1,04	up
5986445	7154655	1262332	---	---	---	1,03	up
5986453	7169732	1298771	---	---	---	1,26	up
5986476	7248790	1494558	---	---	---	1,00	down
5986574	7172373	1305567	---	---	---	1,13	up
5986686	7040260	986053	---	---	---	1,10	up
5986806	7050930	1011622	---	---	---	1,34	up
5986889	7142081	1230953	---	---	---	1,04	down
5986944	7384509	1830724	---	---	---	1,05	down
5986960	7213908	1407649	---	---	---	1,03	up
5986962	7323083	1678817	---	---	---	1,07	down
5987064	7189689	1349041	---	---	---	1,16	down
5987213	7318631	1669024	---	---	---	1,09	down
5987233	7156978	1268185	---	---	---	1,01	down
5987269	7068259	1051602	---	---	---	1,19	up
5987270	7099573	1126710	---	---	---	1,19	down
5987325	7311218	1650345	---	---	---	1,76	down
5987370	7097485	1120947	---	---	---	1,27	up
5987404	7127540	1195294	---	---	---	1,03	up
5987446	7084993	1090692	---	---	---	1,01	up
5987487	7346066	1735293	---	---	---	2,16	down
5987488	7059766	1030972	---	---	---	1,41	down
5987546	7094139	1112914	---	---	---	1,03	down
5987600	7279303	1571211	---	---	---	1,11	down
5987713	7088489	1099513	---	---	---	1,02	down

5987776	7182713	1332535	---	---	---	1,10	up
5987811	7267802	1541743	---	---	---	1,38	up
5987904	7311218	1650362	---	---	---	1,02	up
5987914	7245921	1487678	---	---	---	1,09	down
5988103	7214605	1409378	---	---	---	1,18	down
5988117	7360486	1771019	---	---	---	1,06	up
5988176	7034486	972519	---	---	---	1,31	up
5988238	7261668	1526982	---	---	---	1,43	down
5988253	7301879	1626622	---	---	---	1,01	up
5988297	7027759	956135	---	---	---	1,10	up
5988417	7341646	1724193	---	---	---	1,01	up
5988469	7316589	1663879	---	---	---	1,37	up
5988506	7335632	1708451	---	---	---	1,01	down
5988694	7369781	1795026	---	---	---	1,55	up
5988712	7236358	1464220	---	---	---	1,30	down
5988720	7364346	1780015	---	---	---	1,30	down
5988904	7115708	1166475	---	---	---	1,06	up
5988909	7360486	1770945	---	---	---	1,04	down
5988941	7031325	963575	---	---	---	1,01	down
5988973	7050930	1011618	---	---	---	1,16	down
5989090	7281507	1576711	---	---	---	1,58	up
5989104	7089381	1102063	---	---	---	1,07	up
5989174	7113984	1162226	---	---	---	1,76	up
5989212	7329135	1693497	---	---	---	1,23	up
5989267	7267802	1541800	---	---	---	1,05	up
5989373	7056333	1023696	---	---	---	1,18	down
5989394	7293757	1605682	---	---	---	1,02	down
5989433	7156170	1266234	---	---	---	1,11	up
5989526	7210780	1400863	---	---	---	1,38	down
5989573	7144088	1236174	---	---	---	1,23	up
5989595	7143971	1235920	---	---	---	1,00	up
5989657	7038530	981886	---	---	---	1,63	down
5989751	7207069	1392021	---	---	---	1,33	up
5989767	7148978	1248504	---	---	---	1,08	down
5989795	7207069	1392019	---	---	---	1,38	up
5989964	7159642	1274197	---	---	---	1,08	down
5990026	7078666	1076547	---	---	---	1,08	down
5990083	7352044	1750022	---	---	---	2,36	down
5990152	7244290	1484151	---	---	---	1,46	down
5990203	7141061	1228644	---	---	---	1,08	up
5990235	7210600	1400526	---	---	---	2,10	down
5990384	7155116	1263434	---	---	---	1,50	down
5990391	7059766	1030973	---	---	---	1,01	up
5990445	7132020	1206318	---	---	---	1,66	down
5990503	7259923	1522523	---	---	---	1,28	down
5990593	7318143	1668090	---	---	---	1,07	down
5990703	7280743	1574524	---	---	---	1,34	down
5990727	7329846	1694998	---	---	---	2,02	up
5990738	7337224	1712605	---	---	---	1,64	down
5990774	7312566	1653308	---	---	---	1,59	down
5990976	7249503	1496218	---	---	---	1,08	down
5991020	7064224	1041804	---	---	---	1,31	down
5991103	7323083	1678799	---	---	---	1,37	up
5991343	7209927	1398950	---	---	---	2,31	down
5991377	7339110	1717614	---	---	---	1,08	up
5991433	7350489	1746113	---	---	---	1,12	up

5991469	7267802	1541869	---	---	---	1,34	up
5991476	7150348	1251434	---	---	---	1,08	down
5991503	7099573	1126720	---	---	---	1,26	down
5991564	7177520	1318613	---	---	---	2,09	up
5991754	7378546	1817579	---	---	---	1,03	up
5991838	7319259	1670399	---	---	---	1,06	down
5991858	7337224	1712556	---	---	---	1,46	up
5991862	7065265	1044568	---	---	---	1,14	up
5992013	7340057	1720334	---	---	---	1,21	up
5992113	7248790	1494504	---	---	---	1,14	up
5992232	7075445	1069345	---	---	---	1,28	up
5992299	7039223	983559	---	---	---	1,49	down
5992508	7258784	1519674	---	---	---	1,56	up
5992532	7119930	1177227	---	---	---	1,10	down
5992631	7198210	1370977	---	---	---	1,49	up
5992680	7096924	1119609	---	---	---	2,58	up
5992705	7033337	969484	---	---	---	1,17	down
5992823	7199476	1374537	---	---	---	1,01	down
5992862	7356115	1760116	---	---	---	1,08	up
5992933	7321029	1674804	---	---	---	1,20	down
5993052	7056333	1023690	---	---	---	1,08	down
5993071	7148978	1248486	---	---	---	1,07	up
5993137	7286807	1588818	---	---	---	1,24	up
5993232	7247228	1490533	---	---	---	1,10	down
5993251	7274593	1558805	---	---	---	5,40	down
5993348	7099573	1126708	---	---	---	1,04	down
5993385	7274780	1559255	---	---	---	1,35	down
5993675	7122131	1182670	---	---	---	1,03	down
5993706	7083031	1086280	---	---	---	1,09	up
5993874	7365093	1781625	---	---	---	1,11	up
5994056	7243647	1482431	---	---	---	1,04	up
5994157	7070461	1057366	---	---	---	1,32	down
5994181	7174149	1310506	---	---	---	1,06	up
5994218	7052933	1016219	---	---	---	1,32	down
5994307	7156052	1265751	---	---	---	1,01	up
5994374	7115880	1166835	---	---	---	1,21	down
5994389	7084193	1089060	---	---	---	1,08	up
5994424	7341397	1723624	---	---	---	1,23	down
5994435	7369400	1793982	---	---	---	1,17	down
5994482	7070836	1058356	---	---	---	1,12	down
5994494	7212308	1404015	---	---	---	1,26	down
5994503	7193644	1359716	---	---	---	1,16	down
5994545	7131764	1205854	---	---	---	1,93	up
5994559	7122486	1183419	---	---	---	1,07	down
5994585	7050167	1009824	---	---	---	1,02	up
5994765	7261019	1525252	---	---	---	1,46	down
5994960	7059375	1030065	---	---	---	1,34	down
5995002	7086966	1095261	---	---	---	1,06	down
5995078	7129578	1200072	---	---	---	1,10	up
5995161	7213945	1407866	---	---	---	1,48	down
5995162	7148978	1248455	---	---	---	1,01	up
5995324	7148978	1248486	---	---	---	1,23	up
5995382	7125348	1190100	---	---	---	2,75	up
5995487	7243647	1482458	---	---	---	1,22	up
5995509	7141061	1228643	---	---	---	1,41	up
5995619	7058713	1028654	---	---	---	1,02	down

5995666	7231650	1451862	---	---	---	1,21	up
5995749	7236492	1464535	---	---	---	1,03	up
5995761	7025652	950345	---	---	---	1,01	up
5995801	7133612	1210256	---	---	---	1,06	up
5995814	7194017	1360791	---	---	---	1,54	up
5995848	7050930	1011610	---	---	---	1,14	down
5995913	7226241	1437812	---	---	---	1,55	up
5995969	7243130	1480822	---	---	---	1,12	down
5996032	7072765	1062732	---	---	---	1,04	down
5996291	7238115	1468609	---	---	---	1,24	down
5996317	7156052	1265758	---	---	---	1,16	down
5996320	7270592	1548560	---	---	---	1,07	up
5996535	7069830	1055625	---	---	---	1,04	down
5996578	7096924	1119618	---	---	---	1,20	down
5996595	7113083	1159980	---	---	---	1,58	up
5996609	7049399	1008350	---	---	---	1,37	down
5996627	7249503	1496189	---	---	---	1,14	up
5996779	7349804	1744567	---	---	---	1,09	up
5996783	7098810	1124646	---	---	---	1,24	down
5996851	7277719	1567091	---	---	---	1,05	down
5996913	7099973	1127535	---	---	---	1,06	down
5996949	7120169	1177811	---	---	---	1,41	up
5996957	7367971	1789119	---	---	---	1,12	up
5996976	7123357	1185600	---	---	---	1,18	down
5996977	7092406	1108785	---	---	---	1,04	down
5996997	7068853	1053110	---	---	---	1,21	down
5997093	7155286	1263902	---	---	---	1,23	down
5997300	7121866	1181881	---	---	---	1,12	down
5997371	7228848	1444755	---	---	---	1,24	down
5997532	7350237	1745479	---	---	---	1,06	down
5997554	7079600	1078625	---	---	---	1,20	down
5997614	7146245	1241377	---	---	---	1,09	down
5997620	7236492	1464537	---	---	---	1,42	up
5997622	7032204	966173	---	---	---	1,08	down
5997629	7097525	1121047	---	---	---	1,42	down
5997898	7188685	1346317	---	---	---	1,46	down
5998306	7188685	1346321	---	---	---	1,38	up
5998342	7241136	1476720	---	---	---	1,10	up
5998425	7323545	1679974	---	---	---	1,45	up
5998430	7363674	1778417	---	---	---	1,18	up
5998445	7344190	1730618	---	---	---	1,11	up
5998465	7232340	1453533	---	---	---	1,33	up
5998478	7120379	1178329	---	---	---	1,01	up
5998599	7068853	1053132	---	---	---	1,06	down
5998771	7073854	1065626	---	---	---	1,12	up
5998856	7267802	1541741	---	---	---	2,63	down
5998892	7099573	1126741	---	---	---	1,46	up
5998895	7149817	1250309	---	---	---	1,34	down
5998897	7358708	1766594	---	---	---	1,38	down
5998899	7060851	1033404	---	---	---	1,00	down
5998906	7279533	1571916	---	---	---	1,39	down
5998920	7370843	1798379	---	---	---	1,27	down
5998931	7092965	1110170	---	---	---	1,39	down
5999008	7132125	1206609	---	---	---	1,04	up
5999021	7234425	1459406	---	---	---	1,68	up
5999244	7236358	1464222	---	---	---	1,44	up

5999346	7085848	1092420	---	---	---	1,20	up
5999437	7133181	1209151	---	---	---	1,19	up
5999469	7240569	1475492	---	---	---	1,52	up
5999583	7099573	1126722	---	---	---	1,08	down
5999609	7279793	1572539	---	---	---	1,39	down
5999831	7301022	1624254	---	---	---	1,10	down
5999858	7073928	1065805	---	---	---	1,20	down
5999901	7132125	1206611	---	---	---	1,10	down
5999945	7349946	1744948	---	---	---	1,27	down
6000186	7290585	1598179	---	---	---	1,27	up
6000246	7049399	1008372	---	---	---	1,25	up
6000258	7239939	1473792	---	---	---	1,51	up
6000308	7364346	1780006	---	---	---	1,30	down
6000463	7182056	1330576	---	---	---	1,20	up
6000537	7340990	1722514	---	---	---	1,35	down
6000579	7115907	1166941	---	---	---	1,28	up
6000601	7240569	1475502	---	---	---	1,74	down
6000633	7229886	1447150	---	---	---	1,01	down
6000753	7344702	1732140	---	---	---	1,32	up
6000760	7279533	1571917	---	---	---	1,19	up
6000945	7075445	1069348	---	---	---	1,10	down
6000966	7258520	1518854	---	---	---	1,04	down
6000968	7373038	1804288	---	---	---	1,53	up
6001084	7339379	1718357	---	---	---	1,24	up
6001104	7107066	1144783	---	---	---	1,56	up
6001170	7157341	1269149	---	---	---	1,44	down
6001218	7196029	1365637	---	---	---	1,29	down
6001254	7319259	1670395	---	---	---	1,18	down
6001475	7132125	1206597	---	---	---	1,21	up
6001564	7369031	1793013	---	---	---	1,02	up
6001581	7323545	1679963	---	---	---	1,49	down
6001607	7052385	1014785	---	---	---	1,06	down
6001628	7344406	1731222	---	---	---	1,49	down
6001832	7075533	1069572	---	---	---	1,10	down
6001959	7071264	1059341	---	---	---	2,02	up
6002117	7029770	960150	---	---	---	1,03	up
6002162	7297589	1615592	---	---	---	1,10	up
6002178	7325674	1685228	---	---	---	1,30	up
6002185	7156978	1268173	---	---	---	1,32	up
6002483	7181105	1327967	---	---	---	1,25	up
6002643	7233359	1456515	---	---	---	1,30	down
6002651	7062927	1038643	---	---	---	1,13	up
6002686	7161841	1279879	---	---	---	1,55	down
6002719	7032083	965678	---	---	---	1,06	down
6002759	7243253	1481227	---	---	---	1,11	up
6002969	7031576	964110	---	---	---	1,03	up
6003134	7097680	1121746	---	---	---	1,03	up
6003178	7233440	1456855	---	---	---	1,31	up
6003256	7277783	1567454	---	---	---	2,03	up
6003264	7190524	1351173	---	---	---	1,10	up
6003295	7041609	989556	---	---	---	1,05	down
6003307	7258670	1519340	---	---	---	2,01	up
6003381	7373038	1804294	---	---	---	1,06	down
6003490	7061550	1035284	---	---	---	1,08	down
6003559	7368565	1791286	---	---	---	1,34	down
6003560	7343122	1727726	---	---	---	1,24	down

6003568	7319937	1672291	---	---	---	1,09	up
6003712	7148978	1248460	---	---	---	1,01	up
6003883	7331434	1699203	---	---	---	1,05	down
6003947	7342959	1727334	---	---	---	1,07	down
6004025	7380497	1821824	---	---	---	1,06	down
6004039	7068942	1053374	---	---	---	1,37	down
6004148	7284359	1583435	---	---	---	1,10	down
6004215	7243130	1480828	---	---	---	1,01	down
6004328	7166439	1290100	---	---	---	1,63	down
6004339	7312627	1653487	---	---	---	1,03	up
6004342	7277783	1567444	---	---	---	2,72	up
6004476	7192320	1356021	---	---	---	1,16	up
6004515	7332059	1700728	---	---	---	2,18	down
6004544	7052331	1014567	---	---	---	1,11	up
6004653	7255522	1511418	---	---	---	1,43	up
6004675	7031774	964789	---	---	---	1,51	down
6004758	7224035	1432385	---	---	---	1,53	down
6004810	7316644	1664012	---	---	---	1,36	up
6004883	7284359	1583439	---	---	---	1,47	down
6004917	7233440	1456860	---	---	---	1,25	down
6004942	7141061	1228644	---	---	---	1,08	up
6005010	7243647	1482486	---	---	---	1,02	up
6005061	7068259	1051624	---	---	---	1,31	up
6005152	7331297	1698814	---	---	---	1,08	down
6005165	7146093	1240914	---	---	---	1,10	up
6005235	7132024	1206337	---	---	---	1,80	down
6005305	7098077	1122730	---	---	---	1,58	down
6005355	7339379	1718362	---	---	---	1,09	up
6005363	7319065	1669979	---	---	---	2,10	up
6005439	7148978	1248487	---	---	---	1,02	up
6005456	7145669	1240002	---	---	---	1,86	up
6005478	7072754	1062672	---	---	---	1,18	down
6005523	7064468	1042347	---	---	---	1,03	up
6005624	7065655	1045247	---	---	---	1,03	down
6005644	7049399	1008360	---	---	---	1,05	up
6005655	7083030	1086248	---	---	---	1,17	up
6005739	7350237	1745486	---	---	---	1,10	down
6005743	7033504	969851	---	---	---	1,03	up
6005783	7070616	1057782	---	---	---	1,24	up
6005864	7236254	1464070	---	---	---	1,02	down
6005889	7300446	1622849	---	---	---	2,02	up
6005899	7115362	1165598	---	---	---	1,62	down
6006010	7190582	1351395	---	---	---	1,27	up
6006209	7034756	973228	---	---	---	1,26	up
6006250	7321029	1674814	---	---	---	1,33	up
6006263	7235521	1462153	---	---	---	1,46	up
6006314	7342959	1727352	---	---	---	1,32	up
6006474	7034353	972134	---	---	---	1,90	up
6006488	7070836	1058341	---	---	---	1,01	down
6006735	7100307	1128390	---	---	---	2,39	down
6006737	7345465	1733849	---	---	---	1,58	up
6006739	7162177	1280580	---	---	---	1,22	up
6006828	7236395	1464323	---	---	---	1,03	down
6006972	7168858	1296833	---	---	---	1,69	down
6006979	7271643	1551700	---	---	---	1,00	up
6007101	7342959	1727338	---	---	---	1,25	down

6007124	7341002	1722555	---	---	---	1,47	up
6007137	7303616	1631322	---	---	---	1,02	up
6007144	7119179	1174996	---	---	---	1,20	up
6007159	7025049	948509	---	---	---	1,12	down
6007194	7182713	1332532	---	---	---	1,17	up
6007247	7231152	1450229	---	---	---	1,25	up
6007259	7065265	1044562	---	---	---	1,01	down
6007352	7217679	1417319	---	---	---	1,03	up
6007369	7297589	1615675	---	---	---	1,50	up
6007513	7358859	1766961	---	---	---	1,08	up
6007586	7349817	1744643	---	---	---	1,11	down
6007681	7073854	1065630	---	---	---	1,31	down
6007683	7287222	1589727	---	---	---	1,25	down
6007791	7229886	1447156	---	---	---	1,37	up
6007949	7374790	1808784	---	---	---	1,01	down
6007951	7373906	1806360	---	---	---	1,08	down
6008057	7367969	1789098	---	---	---	1,19	down
6008125	7139026	1223500	---	---	---	1,00	down
6008157	7263152	1530382	---	---	---	1,10	down
6008485	7146245	1241377	---	---	---	1,18	down
6008544	7092965	1110176	---	---	---	1,02	down
6008608	7239752	1473182	---	---	---	1,10	up
6008614	7330238	1695957	---	---	---	1,01	up
6008629	7228848	1444755	---	---	---	2,14	down
6008633	7233012	1455415	---	---	---	1,03	down
6008651	7297154	1614217	---	---	---	1,30	up
6008675	7190844	1352107	---	---	---	1,55	up
6008696	7108551	1148704	---	---	---	1,10	down
6008717	7343122	1727739	---	---	---	1,17	down
6008757	7113483	1160999	---	---	---	1,20	up
6008820	7299083	1619263	---	---	---	1,69	up
6008824	7363768	1778604	---	---	---	1,01	up
6008930	7341397	1723634	---	---	---	1,48	down
6009014	7355244	1758139	---	---	---	2,11	up
6009107	7088164	1098466	---	---	---	1,46	up
6009141	7238199	1468926	---	---	---	1,34	down
6009229	7169732	1298780	---	---	---	1,18	up
6009232	7087965	1098063	---	---	---	1,17	up
6009356	7073898	1065732	---	---	---	2,12	down
6009516	7122319	1183068	---	---	---	1,22	down
6009594	7115880	1166828	---	---	---	1,44	up
6009610	7257976	1517712	---	---	---	1,17	down
6009674	7338807	1716797	---	---	---	1,08	down
6009687	7199476	1374525	---	---	---	1,06	up
6009692	7243647	1482475	---	---	---	1,00	up
6009699	7210445	1400147	---	---	---	1,06	up
6009880	7267380	1540434	---	---	---	1,06	up
6010004	7058813	1028893	---	---	---	1,85	up
6010061	7171525	1303445	---	---	---	1,40	down
6010330	7297589	1615641	---	---	---	1,08	down
6010666	7087965	1098025	---	---	---	1,23	up
6010987	7059584	1030558	---	---	---	1,32	up
6011043	7236991	1465782	---	---	---	1,46	down
6011081	7053878	1018367	---	---	---	1,56	down
6011232	7235069	1460981	---	---	---	1,40	up
6011284	7380497	1821837	---	---	---	1,01	up

6011438	7064224	1041782	---	---	---	1,98	down
6011493	7052331	1014605	---	---	---	1,01	up
6011496	7129841	1200834	---	---	---	1,56	down
6011555	7316644	1664027	---	---	---	1,07	up
6011595	7052331	1014568	---	---	---	1,45	down
6011601	7261668	1526981	---	---	---	1,07	down
6011630	7199476	1374530	---	---	---	1,43	up
6011672	7287222	1589733	---	---	---	1,09	down
6011680	7292517	1602552	---	---	---	1,12	down
6011830	7336931	1711896	---	---	---	1,02	down
6011865	7142081	1230973	---	---	---	1,02	up
6011930	7367748	1788247	---	---	---	1,18	up
6011949	7218259	1418794	---	---	---	1,05	down
6011970	7340757	1721902	---	---	---	1,03	up
6012035	7033616	970191	---	---	---	1,18	down
6012091	7217650	1417180	---	---	---	1,29	down
6012280	7253408	1505940	---	---	---	1,21	down
6012361	7121866	1181872	---	---	---	1,31	down
6012368	7065265	1044565	---	---	---	1,14	up
6012419	7323545	1679930	---	---	---	1,93	down
6012515	7258545	1518928	---	---	---	1,40	down
6012590	7226241	1437804	---	---	---	1,16	down
6012601	7221247	1425838	---	---	---	1,13	up
6012668	7357815	1764153	---	---	---	1,04	up
6012677	7234425	1459405	---	---	---	1,03	up
6012726	7372840	1803781	---	---	---	1,32	up
6012744	7279073	1570710	---	---	---	1,13	up
6012769	7043535	994123	---	---	---	1,07	up
6012801	7189669	1348994	---	---	---	1,08	down
6012843	7073673	1065088	---	---	---	1,59	down
6012913	7226241	1437797	---	---	---	1,16	up
6012923	7363768	1778601	---	---	---	1,88	down
6012995	7213908	1407732	---	---	---	1,03	up
6013063	7249503	1496236	---	---	---	1,02	down
6013064	7180861	1327219	---	---	---	1,11	down
6013098	7339110	1717614	---	---	---	1,02	up
6013102	7230611	1448801	---	---	---	1,46	down
6013131	7372840	1803783	---	---	---	1,42	down
6013168	7233440	1456868	---	---	---	1,36	down
6013246	7213679	1407142	---	---	---	1,11	up
6013276	7240569	1475485	---	---	---	1,41	down
6013337	7198002	1370444	---	---	---	1,57	up
6013423	7157341	1269249	---	---	---	1,24	down
6013429	7031618	964199	---	---	---	1,18	up
6013468	7301140	1624589	---	---	---	1,39	up
6013489	7156061	1265841	---	---	---	1,40	down
6013545	7240569	1475382	---	---	---	1,44	down
6013549	7036559	977250	---	---	---	1,16	down
6013631	7170845	1301861	---	---	---	1,26	down
6013646	7069253	1054148	---	---	---	1,20	up
6013674	7169732	1298749	---	---	---	1,09	up
6013715	7179785	1324499	---	---	---	1,70	up
6013778	7260553	1524109	---	---	---	1,10	down
6013782	7312566	1653321	---	---	---	1,09	up
6013992	7186464	1341387	---	---	---	1,03	down
6013994	7087492	1096707	---	---	---	1,17	down

6014027	7083031	1086284	---	---	---	1,25	up
6014165	7384509	1830753	---	---	---	1,22	down
6014257	7336250	1710171	---	---	---	1,35	up
6014284	7362184	1774822	---	---	---	1,11	down
6014326	7367994	1789263	---	---	---	1,13	down
6014354	7056333	1023717	---	---	---	1,22	up
6014547	7049399	1008319	---	---	---	1,04	up
6014670	7075424	1069306	---	---	---	1,42	up
6014681	7329846	1695002	---	---	---	1,35	up
6014740	7274593	1558815	---	---	---	1,29	up
6014801	7134690	1212765	---	---	---	1,31	up
6014803	7197056	1367840	---	---	---	2,07	down
6014852	7365183	1781902	---	---	---	1,88	up
6014871	7201217	1378760	---	---	---	1,09	up
6014905	7102113	1132840	---	---	---	1,15	up
6014940	7384509	1830719	---	---	---	1,25	up
6015230	7249737	1496761	---	---	---	1,25	up
6015242	7232340	1453530	---	---	---	1,13	up
6015336	7253408	1505949	---	---	---	1,30	up
6015369	7373678	1805877	---	---	---	1,09	up
6015374	7033504	969843	---	---	---	2,01	up
6015395	7342959	1727354	---	---	---	1,19	up
6015416	7249917	1497395	---	---	---	1,55	up
6015425	7059375	1030067	---	---	---	1,09	down
6015476	7130889	1203865	---	---	---	1,20	down
6015477	7374842	1808992	---	---	---	1,17	up
6015499	7275103	1560212	---	---	---	1,03	up
6015505	7125348	1190075	---	---	---	1,44	up
6015517	7279568	1572041	---	---	---	1,89	up
6015589	7380019	1820827	---	---	---	1,15	up
6015612	7069830	1055629	---	---	---	1,12	up
6015684	7364346	1780025	---	---	---	1,45	up
6015762	7355804	1759434	---	---	---	1,69	down
6015952	7340757	1721897	---	---	---	1,09	down
6015957	7273744	1556972	---	---	---	1,03	up
6015967	7337224	1712628	---	---	---	1,05	down
6016017	7062436	1037652	---	---	---	1,79	down
6016200	7071681	1060284	---	---	---	1,25	down
6016222	7384509	1830722	---	---	---	1,06	down
6016241	7239939	1473791	---	---	---	1,27	down
6016293	7132020	1206319	---	---	---	1,01	down
6016434	7303616	1631379	---	---	---	1,26	up
6016510	7374790	1808765	---	---	---	1,11	down
6016554	7339379	1718332	---	---	---	1,02	down
6016624	7344530	1731570	---	---	---	1,14	up
6016648	7236358	1464238	---	---	---	1,68	down
6016779	7068259	1051604	---	---	---	1,50	up
6016800	7293757	1605677	---	---	---	1,30	down
6016889	7043379	993593	---	---	---	1,30	up
6016994	7276650	1564162	---	---	---	1,17	up
6017010	7183182	1333577	---	---	---	1,33	down
6017048	7097525	1121046	---	---	---	1,26	up
6017065	7096924	1119606	---	---	---	1,12	down
6017079	7253408	1505956	---	---	---	1,16	up
6017157	7075424	1069288	---	---	---	1,24	down
6017172	7249503	1496157	---	---	---	1,12	down

6017305	7039223	983568	---	---	---	1,44	up
6017388	7280743	1574503	---	---	---	1,24	down
6017396	7186464	1341358	---	---	---	1,69	down
6017472	7281077	1575555	---	---	---	1,12	up
6017493	7101643	1131573	---	---	---	1,41	down
6017610	7119556	1176078	---	---	---	1,04	down
6017639	7258520	1518894	---	---	---	1,12	down
6017910	7049399	1008421	---	---	---	1,13	up
6017911	7180861	1327219	---	---	---	1,30	up
6017926	7079600	1078631	---	---	---	2,69	down
6017936	7086522	1093951	---	---	---	1,53	up
6018024	7203872	1384763	---	---	---	1,02	down
6018059	7279555	1571953	---	---	---	1,22	down
6018085	7032444	966741	---	---	---	1,30	up
6018162	7025652	950353	---	---	---	1,01	up
6018309	7303616	1631357	---	---	---	1,03	down
6018353	7319144	1670088	---	---	---	1,25	up
6018658	7331434	1699210	---	---	---	2,17	up
6018884	7339110	1717617	---	---	---	1,64	down
6018947	7065655	1045267	---	---	---	1,32	down
6018956	7092549	1109194	---	---	---	1,18	down
6018961	7334347	1705752	---	---	---	1,17	up
6019100	7050726	1011252	---	---	---	1,04	up
6019119	7258323	1518473	---	---	---	2,49	down
6019214	7339732	1719209	---	---	---	1,22	up
6019371	7043535	994116	---	---	---	1,47	down
6019484	7363674	1778412	---	---	---	1,54	down
6019542	7248790	1494490	---	---	---	1,45	down
6019548	7119556	1176077	---	---	---	1,12	up
6019551	7188829	1346662	---	---	---	1,14	down
6019742	7263152	1530368	---	---	---	1,64	up
6019771	7321414	1675636	---	---	---	1,20	up
6019982	7231835	1452280	---	---	---	1,10	down
6019997	7319292	1670486	---	---	---	1,54	down
6020015	7091954	1107705	---	---	---	1,25	up
6020026	7233440	1456869	---	---	---	1,16	down
6020107	7041609	989577	---	---	---	1,00	up
6020110	7293234	1604356	---	---	---	1,01	up
6020183	7119556	1176078	---	---	---	1,20	down
6020225	7243363	1481615	---	---	---	1,25	down
6020245	7376820	1813399	---	---	---	1,51	down
6020318	7248790	1494484	---	---	---	1,43	down
6020425	7086966	1095244	---	---	---	1,27	up
6020500	7236492	1464560	---	---	---	1,10	down
6020510	7303616	1631336	---	---	---	1,10	up
6020591	7144389	1236781	---	---	---	1,36	up
6020773	7287222	1589734	---	---	---	1,31	down
6020904	7230886	1449530	---	---	---	1,02	down
6020929	7329135	1693500	---	---	---	1,09	up
6021042	7293049	1603881	---	---	---	1,10	up
6021159	7189574	1348705	---	---	---	1,01	up
6021204	7029395	959447	---	---	---	1,50	down
6021216	7263248	1530602	---	---	---	1,52	up
6021250	7101400	1130915	---	---	---	1,05	down
6021251	7069253	1054162	---	---	---	1,38	down
6021374	7290942	1599138	---	---	---	1,01	down

6021422	7257976	1517707	---	---	---	1,04	up
6021440	7057966	1026815	---	---	---	1,03	up
6021485	7298920	1618823	---	---	---	1,20	up
6021549	7318596	1668935	---	---	---	1,36	up
6021589	7038316	981462	---	---	---	1,26	down
6021631	7243130	1480925	---	---	---	1,36	down
6021766	7279533	1571916	---	---	---	1,05	up
6021795	7371682	1800780	---	---	---	1,94	up
6021871	7083030	1086250	---	---	---	1,06	down
6021900	7040260	986069	---	---	---	1,06	down
6022070	7217747	1417462	---	---	---	1,08	up
6022109	7112225	1157559	---	---	---	1,72	down
6022188	7217321	1416029	---	---	---	1,27	up
6022193	7360486	1770938	---	---	---	1,16	down
6022298	7274780	1559234	---	---	---	2,07	up
6022347	7269637	1546244	---	---	---	1,95	down
6022353	7279555	1571951	---	---	---	1,24	down
6022382	7098810	1124646	---	---	---	3,24	down
6022447	7170764	1301488	---	---	---	1,33	down
6022548	7025652	950326	---	---	---	1,32	down
6022760	7228520	1443758	---	---	---	1,22	up
6022811	7067670	1050313	---	---	---	2,01	up
6022919	7344530	1731575	---	---	---	1,24	down
6023024	7351953	1749880	---	---	---	1,29	down
6023192	7368004	1789332	---	---	---	1,00	down
6023234	7068259	1051649	---	---	---	1,02	down
6023270	7099294	1126098	---	---	---	1,39	up
6023463	7333100	1702837	---	---	---	1,08	up
6023468	7189669	1348992	---	---	---	1,80	down
6023496	7186688	1341849	---	---	---	1,49	up
6023601	7030454	961554	---	---	---	1,72	down
6023650	7319937	1672286	---	---	---	1,10	up
6023728	7086664	1094281	---	---	---	1,28	up
6023854	7197056	1367840	---	---	---	1,20	up
6023876	7143904	1235816	---	---	---	1,15	down
6024079	7049689	1008872	---	---	---	1,48	down
6024204	7254040	1507581	---	---	---	1,23	down
6024375	7255755	1511922	---	---	---	1,34	down
6024381	7033337	969498	---	---	---	1,14	up
6024433	7258670	1519338	---	---	---	1,52	up
6024435	7061367	1034817	---	---	---	1,33	down
6024604	7226241	1437780	---	---	---	1,22	up
6024641	7380497	1821824	---	---	---	1,09	down
6024660	7321029	1674804	---	---	---	1,71	down
6024807	7070616	1057789	---	---	---	1,12	up
6024943	7316644	1664056	---	---	---	1,01	up
6025169	7244288	1484094	---	---	---	1,09	down
6025180	7146000	1240656	---	---	---	1,33	up
6025193	7360486	1771006	---	---	---	1,15	up
6025320	7180243	1325515	---	---	---	1,31	down
6025391	7217747	1417473	---	---	---	1,70	up
6025394	7246570	1489226	---	---	---	1,10	up
6025432	7299512	1620553	---	---	---	1,10	up
6025577	7337845	1714342	---	---	---	1,25	up
6025586	7349817	1744598	---	---	---	1,18	down
6025625	7247229	1490551	---	---	---	1,58	down

6025659	7053874	1018315	---	---	---	1,02	down
6025749	7349882	1744789	---	---	---	1,16	down
6025764	7358859	1767005	---	---	---	1,17	down
6025805	7094130	1112869	---	---	---	1,37	down
6025877	7064468	1042338	---	---	---	1,18	up
6025888	7064732	1042909	---	---	---	1,49	down
6025892	7325674	1685217	---	---	---	1,15	up
6025897	7301879	1626621	---	---	---	1,04	up
6026038	7196803	1367333	---	---	---	1,25	up
6026259	7340990	1722518	---	---	---	1,38	down
6026269	7234040	1458500	---	---	---	1,63	up
6026432	7280743	1574484	---	---	---	1,08	down
6026456	7349817	1744641	---	---	---	1,09	down
6026457	7224035	1432400	---	---	---	1,37	down
6026539	7181590	1329424	---	---	---	1,47	down
6026572	7248790	1494519	---	---	---	1,36	up
6026632	7095021	1115118	---	---	---	1,27	down
6026693	7360486	1770973	---	---	---	1,05	down
6026889	7083030	1086272	---	---	---	1,02	up
6026985	7228848	1444755	---	---	---	1,19	up
6027003	7060195	1031960	---	---	---	1,72	up
6027004	7096924	1119625	---	---	---	1,47	down
6027227	7235323	1461555	---	---	---	1,52	down
6027299	7174281	1310907	---	---	---	1,03	down
6027329	7031774	964715	---	---	---	1,36	up
6027476	7111361	1155622	---	---	---	1,10	up
6027547	7167507	1293108	---	---	---	1,12	down
6027578	7258545	1518926	---	---	---	2,22	down
6027579	7073854	1065622	---	---	---	1,29	up
6027598	7339379	1718313	---	---	---	1,29	up
6027664	7169599	1298451	---	---	---	1,26	up
6027753	7307721	1642000	---	---	---	1,11	down
6027793	7062173	1037024	---	---	---	1,02	up
6027962	7065655	1045275	---	---	---	1,13	down
6027997	7350993	1747552	---	---	---	1,30	up
6028123	7184850	1337599	---	---	---	1,09	up
6028209	7142416	1231798	---	---	---	1,70	up
6028372	7112225	1157593	---	---	---	1,00	up
6028400	7098810	1124651	---	---	---	1,05	up
6028441	7043379	993650	---	---	---	1,28	down
6028455	7279533	1571915	---	---	---	1,35	up
6028593	7213908	1407677	---	---	---	1,06	down
6028626	7352635	1751442	---	---	---	1,25	up
6028718	7276762	1564497	---	---	---	1,03	down
6028738	7243653	1482554	---	---	---	1,34	up
6028952	7287222	1589723	---	---	---	1,00	up
6028977	7141061	1228678	---	---	---	1,18	down
6029100	7068259	1051615	---	---	---	1,26	down
6029102	7292517	1602533	---	---	---	1,16	down
6029141	7112562	1158607	---	---	---	1,26	down
6029143	7029770	960149	---	---	---	1,04	up
6029161	7293402	1604720	---	---	---	1,10	up
6029240	7374630	1808320	---	---	---	1,24	up
6029416	7101258	1130576	---	---	---	1,45	down
6029424	7287222	1589745	---	---	---	1,18	down
6029425	7331829	1700172	---	---	---	1,41	down

6029434	7218728	1419926	---	---	---	1,49	down
6029485	7196029	1365641	---	---	---	1,29	down
6029494	7054958	1020584	---	---	---	1,09	up
6029499	7353441	1753344	---	---	---	1,08	down
6029539	7258323	1518477	---	---	---	5,12	down
6029597	7038530	981864	---	---	---	1,18	up
6029622	7283819	1582119	---	---	---	1,37	down
6029947	7065827	1045721	---	---	---	1,11	up
6029953	7084193	1089096	---	---	---	1,42	up
6030006	7359453	1768448	---	---	---	1,33	down
6030073	7189574	1348697	---	---	---	1,17	down
6030108	7357890	1764386	---	---	---	1,13	up
6030147	7071969	1060903	---	---	---	1,77	down
6030314	7374740	1808632	---	---	---	2,23	up
6030347	7321414	1675637	---	---	---	1,03	up
6030378	7224182	1432759	---	---	---	1,17	up
6030527	7261766	1527158	---	---	---	1,48	down
6030545	7207069	1392018	---	---	---	2,21	down
6030818	7277719	1567090	---	---	---	1,05	down
6030825	7307721	1642008	---	---	---	1,26	down
6030918	7139026	1223496	---	---	---	1,06	up
6030922	7323560	1680030	---	---	---	1,19	down
6030938	7293757	1605676	---	---	---	1,06	up
6031216	7320337	1673320	---	---	---	1,05	up
6031237	7083030	1086252	---	---	---	1,12	down
6031246	7243603	1482257	---	---	---	1,45	down
6031256	7052331	1014570	---	---	---	1,24	down
6031388	7266706	1538746	---	---	---	1,27	down
6031478	7383501	1828201	---	---	---	2,23	up
6031535	7115880	1166837	---	---	---	2,18	down
6031622	7180732	1326720	---	---	---	1,38	down
6031640	7172373	1305585	---	---	---	1,02	down
6031644	7139708	1225059	---	---	---	1,31	down
6031759	7049399	1008355	---	---	---	1,26	down
6031797	7075424	1069301	---	---	---	1,37	up
6031834	7329135	1693490	---	---	---	1,00	up
6031876	7108300	1147904	---	---	---	1,03	up
6031900	7096859	1119303	---	---	---	1,01	down
6031999	7359551	1768626	---	---	---	1,16	up
6032048	7339387	1718392	---	---	---	1,20	up
6032132	7299512	1620554	---	---	---	1,13	down
6032136	7291054	1599391	---	---	---	1,10	up
6032295	7199476	1374550	---	---	---	1,13	up
6032321	7038153	981154	---	---	---	4,76	up
6032344	7058813	1028900	---	---	---	1,22	up
6032509	7277783	1567465	---	---	---	1,47	down
6032794	7303616	1631385	---	---	---	1,06	up
6033022	7071714	1060357	---	---	---	1,41	up
6033034	7244290	1484145	---	---	---	2,88	up
6033260	7373678	1805863	---	---	---	1,32	up
6033282	7167507	1293130	---	---	---	1,33	down
6033284	7156170	1266282	---	---	---	1,69	up
6033300	7070836	1058332	---	---	---	1,46	down
6033372	7245921	1487689	---	---	---	1,40	down
6033403	7025652	950338	---	---	---	1,02	down
6033406	7181016	1327780	---	---	---	1,25	up

6033433	7350489	1746125	---	---	---	1,06	down
6033561	7331829	1700186	---	---	---	1,24	down
6033587	7080106	1079749	---	---	---	1,46	down
6033612	7069830	1055604	---	---	---	1,80	down
6033743	7212735	1405026	---	---	---	1,16	down
6033832	7225553	1435984	---	---	---	1,19	down
6033850	7274780	1559241	---	---	---	1,48	down
6033902	7033672	970357	---	---	---	1,04	up
6033910	7351951	1749838	---	---	---	1,05	down
6033913	7082098	1084121	---	---	---	1,15	up
6033961	7167507	1293145	---	---	---	1,00	up
6034198	7341546	1723964	---	---	---	1,10	up
6034240	7370412	1796835	---	---	---	1,26	up
6034297	7094139	1112919	---	---	---	1,16	down
6034310	7332970	1702513	---	---	---	1,22	down
6034320	7033616	970211	---	---	---	1,26	down
6034381	7065655	1045253	---	---	---	1,19	up
6034499	7329075	1693378	---	---	---	1,08	down
6034525	7245874	1487595	---	---	---	1,03	down
6034541	7188138	1345026	---	---	---	1,40	up
6034593	7092965	1110188	---	---	---	1,20	up
6034633	7384073	1829461	---	---	---	1,07	down
6034634	7364346	1779993	---	---	---	1,06	down
6034747	7234195	1458981	---	---	---	1,10	up
6034852	7368954	1792774	---	---	---	1,97	down
6034856	7321029	1674804	---	---	---	1,22	up
6034981	7049399	1008419	---	---	---	1,01	up
6034989	7330238	1695945	---	---	---	2,44	up
6035024	7276231	1563102	---	---	---	1,05	up
6035127	7096589	1118530	---	---	---	1,13	down
6035135	7266706	1538746	---	---	---	1,70	up
6035219	7104955	1140119	---	---	---	1,15	up
6035259	7245874	1487589	---	---	---	2,11	up
6035348	7341958	1724894	---	---	---	1,76	up
6035361	7197638	1369572	---	---	---	1,67	down
6035515	7273251	1555942	---	---	---	1,26	down
6035565	7186305	1341003	---	---	---	1,43	up
6035676	7113483	1161015	---	---	---	1,10	up
6035696	7136062	1216293	---	---	---	1,83	down
6035769	7039223	983577	---	---	---	1,07	up
6035837	7373678	1805867	---	---	---	1,14	up
6035864	7314115	1657313	---	---	---	2,28	up
6035941	7243130	1480838	---	---	---	1,05	down
6036031	7364346	1780008	---	---	---	1,17	up
6036035	7374790	1808786	---	---	---	1,04	down
6036214	7198002	1370441	---	---	---	1,30	up
6036433	7100307	1128385	---	---	---	1,17	down
6036474	7174114	1310431	---	---	---	1,18	up
6036546	7115880	1166823	---	---	---	1,01	down
6036806	7255522	1511454	---	---	---	1,34	down
6036824	7188138	1345026	---	---	---	1,06	down
6036855	7244261	1483898	---	---	---	1,05	down
6036916	7279586	1572072	---	---	---	1,16	down
6037002	7243130	1480966	---	---	---	1,11	down
6037165	7190317	1350513	---	---	---	2,15	down
6037250	7092549	1109191	---	---	---	1,83	down

6037330	7181442	1328885	---	---	---	1,43	up
6037382	7383655	1828573	---	---	---	1,59	up
6037398	7059765	1030964	---	---	---	1,27	up
6037417	7364346	1780015	---	---	---	1,62	down
6037449	7174149	1310524	---	---	---	1,03	down
6037459	7177520	1318613	---	---	---	1,09	up
6037470	7225553	1435982	---	---	---	1,03	down
6037609	7320337	1673323	---	---	---	1,18	up
6037659	7322020	1676644	---	---	---	1,48	up
6037738	7065655	1045253	---	---	---	1,03	up
6037814	7228530	1443902	---	---	---	1,30	up
6038160	7144389	1236776	---	---	---	1,33	up
6038292	7330396	1696390	---	---	---	1,58	down
6038346	7182056	1330579	---	---	---	1,81	down
6038521	7139026	1223505	---	---	---	1,18	up
6038752	7049399	1008361	---	---	---	2,31	down
6038804	7120827	1179351	---	---	---	1,50	up
6038837	7244288	1484135	---	---	---	1,22	down
6039258	7138255	1221710	---	---	---	1,27	up
6039348	7155286	1263910	---	---	---	1,90	up
6039590	7258784	1519672	---	---	---	1,28	down
6039614	7378997	1818660	---	---	---	1,09	down
6039616	7071616	1060070	---	---	---	1,13	up
6039619	7058713	1028656	---	---	---	1,24	down
6039720	7139007	1223469	---	---	---	1,87	down
6039733	7363568	1778132	---	---	---	1,29	up
6039767	7123357	1185595	---	---	---	1,01	down
6039917	7211389	1402113	---	---	---	1,87	down
6039929	7333333	1703402	---	---	---	1,04	down
6040300	7174149	1310531	---	---	---	1,04	up
6040323	7374790	1808779	---	---	---	1,10	down
6040324	7236358	1464235	---	---	---	1,09	down
6040385	7049399	1008398	---	---	---	1,61	down
6040394	7097525	1121071	---	---	---	1,19	up
6040428	7157341	1269220	---	---	---	1,18	down
6040464	7243647	1482488	---	---	---	1,05	up
6040486	7039223	983566	---	---	---	1,13	up
6040490	7052331	1014572	---	---	---	1,06	up
6040517	7025652	950349	---	---	---	1,29	down
6040534	7112566	1158631	---	---	---	1,25	up
6040716	7260613	1524271	---	---	---	1,10	up
6040819	7101258	1130559	---	---	---	1,24	up
6040829	7265952	1536975	---	---	---	1,81	up
6041021	7329135	1693496	---	---	---	1,08	up
6041176	7033504	969866	---	---	---	1,08	up
6041217	7025652	950262	---	---	---	1,01	down
6041239	7297274	1614612	---	---	---	1,49	down
6041298	7314270	1657731	---	---	---	1,09	up
6041316	7272110	1553084	---	---	---	1,23	up
6041353	7049399	1008425	---	---	---	1,38	down
6041395	7065655	1045274	---	---	---	1,22	up
6041476	7099030	1125343	---	---	---	1,20	up
6041564	7069830	1055631	---	---	---	1,03	up
6041608	7233921	1458156	---	---	---	1,77	down
6041636	7133181	1209151	---	---	---	1,07	up
6041832	7137646	1220435	---	---	---	1,19	down

6041873	7236395	1464344	---	---	---	1,56	down
6041926	7349817	1744643	---	---	---	1,15	down
6042008	7071616	1060072	---	---	---	1,25	down
6042224	7240569	1475483	---	---	---	1,16	up
6042325	7161992	1280154	---	---	---	1,18	down
6042345	7286807	1588833	---	---	---	1,11	up
6042481	7217747	1417472	---	---	---	1,23	up
6042522	7274892	1559572	---	---	---	1,03	up
6042566	7052385	1014798	---	---	---	1,04	up
6042673	7214605	1409395	---	---	---	1,12	up
6042744	7116614	1168799	---	---	---	2,14	down
6042769	7101643	1131580	---	---	---	1,08	up
6042801	7314270	1657753	---	---	---	1,20	down
6042805	7274892	1559547	---	---	---	1,26	down
6042831	7279568	1572005	---	---	---	1,27	up
6042941	7165954	1288770	---	---	---	1,15	down
6043020	7031774	964766	---	---	---	1,23	down
6043042	7108062	1147136	---	---	---	1,39	down
6043047	7087965	1098057	---	---	---	1,16	down
6043083	7357815	1764130	---	---	---	1,41	up
6043196	7329135	1693501	---	---	---	1,38	down
6043309	7356115	1760126	---	---	---	1,27	up
6043338	7070836	1058339	---	---	---	1,40	up
6043357	7104977	1140168	---	---	---	1,26	up
6043407	7369939	1795601	---	---	---	1,50	up
6043422	7101258	1130564	---	---	---	1,42	up
6043561	7058713	1028655	---	---	---	1,09	down
6043702	7243098	1480753	---	---	---	1,45	down
6043745	7037235	978573	---	---	---	1,16	up
6043746	7166497	1290380	---	---	---	1,07	up
6043799	7236395	1464354	---	---	---	1,04	up
6043853	7312566	1653305	---	---	---	1,73	down
6043898	7122131	1182683	---	---	---	1,12	up
6044147	7115880	1166840	---	---	---	1,02	down
6044165	7052813	1015935	---	---	---	1,11	down
6044296	7352046	1750037	---	---	---	1,78	down
6044396	7075424	1069285	---	---	---	1,28	up
6044416	7186688	1341847	---	---	---	1,03	up
6044618	7373678	1805864	---	---	---	1,53	up
6044743	7053874	1018322	---	---	---	1,30	up
6044830	7293402	1604808	---	---	---	1,82	down
6044859	7156052	1265760	---	---	---	1,11	up
6044866	7136963	1218767	---	---	---	2,05	up
6044868	7331434	1699212	---	---	---	1,69	down
6044886	7248790	1494492	---	---	---	1,12	up
6044938	7240569	1475397	---	---	---	1,14	up
6044993	7088164	1098459	---	---	---	1,50	up
6045049	7141061	1228643	---	---	---	1,25	down
6045128	7034756	973216	---	---	---	1,07	down
6045347	7133612	1210266	---	---	---	1,13	down
6045585	7307721	1642014	---	---	---	1,05	up
6045851	7297274	1614664	---	---	---	1,07	down
6045891	7087282	1096212	---	---	---	1,65	down
6046029	7343092	1727649	---	---	---	1,01	down
6046035	7356333	1760495	---	---	---	1,32	down
6046105	7213908	1407680	---	---	---	1,10	up

6046132	7092549	1109124	---	---	---	1,01	down
6046182	7320337	1673309	---	---	---	1,08	down
6046417	7063873	1040650	---	---	---	1,15	down
6046435	7331413	1699130	---	---	---	1,01	up
6046510	7171034	1302272	---	---	---	1,19	down
6046579	7211343	1401976	---	---	---	1,67	down
6046639	7189574	1348711	---	---	---	1,12	down
6046702	7042382	991286	---	---	---	1,57	up
6046815	7264797	1534428	---	---	---	1,06	up
6046871	7193513	1359467	---	---	---	1,17	down
6046879	7192696	1357182	---	---	---	1,04	down
6047044	7376566	1812848	---	---	---	1,08	down
6047074	7380497	1821870	---	---	---	1,94	down
6047158	7380497	1821824	---	---	---	1,00	up
6047165	7368613	1791623	---	---	---	1,12	down
6047308	7069142	1053876	---	---	---	1,13	down
6047403	7196233	1366103	---	---	---	2,18	up
6047405	7325416	1684603	---	---	---	1,54	down
6047499	7207069	1392008	---	---	---	1,15	up
6047545	7244288	1484135	---	---	---	1,29	up
6047696	7308679	1644238	---	---	---	1,06	up
6047753	7373633	1805703	---	---	---	1,03	up
6047761	7136062	1216276	---	---	---	1,17	up
6047767	7150631	1252186	---	---	---	1,60	up
6047879	7122486	1183425	---	---	---	1,24	down
6047942	7331297	1698810	---	---	---	1,02	up
6047977	7226241	1437801	---	---	---	1,20	up
6048123	7203872	1384786	---	---	---	1,08	up
6048138	7150348	1251413	---	---	---	1,44	down
6048193	7240569	1475517	---	---	---	1,01	down
6048230	7226241	1437790	---	---	---	1,01	up
6048246	7248790	1494538	---	---	---	1,07	down
6048312	7080731	1080970	---	---	---	1,26	up
6048342	7153589	1259069	---	---	---	2,01	down
6048344	7359453	1768458	---	---	---	1,06	down
6048404	7359551	1768623	---	---	---	1,23	up
6048431	7196029	1365626	---	---	---	1,05	up
6048451	7107066	1144778	---	---	---	1,07	up
6048460	7371643	1800650	---	---	---	1,26	up
6048540	7095262	1115635	---	---	---	1,12	down
6048589	7034486	972509	---	---	---	1,27	down
6048664	7146000	1240656	---	---	---	1,30	up
6048689	7340304	1720867	---	---	---	1,61	down
6048696	7062436	1037672	---	---	---	1,56	down
6048699	7253272	1505515	---	---	---	1,13	down
6048985	7280743	1574538	---	---	---	1,13	up
6048994	7263152	1530371	---	---	---	1,03	up
6049021	7097525	1121065	---	---	---	1,93	up
6049038	7243647	1482432	---	---	---	1,46	up
6049080	7286807	1588823	---	---	---	1,50	down
6049126	7108551	1148700	---	---	---	1,01	down
6049219	7339732	1719202	---	---	---	1,50	down
6049246	7362184	1774822	---	---	---	1,32	down
6049297	7267802	1541874	---	---	---	1,14	up
6049490	7186305	1341015	---	---	---	1,05	down
6049536	7086966	1095266	---	---	---	1,02	down

6049706	7188681	1346294	---	---	---	1,07	down
6049814	7319259	1670398	---	---	---	1,32	down
6049895	7147809	1245458	---	---	---	1,07	up
6049992	7148978	1248501	---	---	---	1,18	up
6050045	7263152	1530358	---	---	---	1,30	up
6050126	7062927	1038641	---	---	---	1,38	down
6050334	7099030	1125341	---	---	---	1,57	down
6050391	7053874	1018317	---	---	---	1,02	up
6050554	7052385	1014780	---	---	---	2,00	down
6050591	7292810	1603254	---	---	---	1,10	up
6050598	7373678	1805852	---	---	---	1,17	up
6050635	7277783	1567463	---	---	---	1,10	up
6050838	7058713	1028662	---	---	---	1,04	down
6050873	7249503	1496210	---	---	---	1,31	up
6051037	7313411	1655443	---	---	---	1,19	down
6051065	7165954	1288766	---	---	---	1,31	down
6051155	7092549	1109158	---	---	---	1,18	up
6051357	7340304	1720851	---	---	---	1,36	down
6051360	7376206	1811977	---	---	---	1,02	down
6051450	7132834	1208325	---	---	---	1,25	up
6051454	7273744	1557044	---	---	---	1,00	up
6051650	7341546	1723939	---	---	---	1,61	up
6051747	7149817	1250309	---	---	---	2,10	down
6051815	7080106	1079726	---	---	---	1,09	up
6051833	7037764	980104	---	---	---	1,21	down
6051897	7112225	1157597	---	---	---	1,43	down
6051976	7176456	1315807	---	---	---	1,09	down
6051996	7380497	1821849	---	---	---	1,02	up
6052013	7344702	1732146	---	---	---	2,09	up
6052209	7344530	1731566	---	---	---	1,10	down
6052557	7253408	1505941	---	---	---	1,13	down
6052804	7346066	1735283	---	---	---	1,08	up
6052831	7064134	1041441	---	---	---	1,92	down
6052854	7166497	1290349	---	---	---	1,03	up
6052949	7337224	1712622	---	---	---	1,11	up
6053279	7305674	1636852	---	---	---	1,49	up
6053300	7056333	1023679	---	---	---	1,17	up
6053352	7097454	1120882	---	---	---	1,09	up
6053389	7357890	1764387	---	---	---	1,05	down
6053408	7186305	1341002	---	---	---	2,21	down
6053413	7249503	1496164	---	---	---	1,17	up
6053420	7340990	1722506	---	---	---	1,03	down
6053538	7097454	1120883	---	---	---	1,30	down
6053624	7050557	1010793	---	---	---	1,04	up
6053629	7373634	1805724	---	---	---	1,04	up
6053698	7337845	1714351	---	---	---	1,45	down
6053767	7369939	1795597	---	---	---	1,54	up
6053803	7341397	1723646	---	---	---	1,05	down
6053862	7180243	1325507	---	---	---	1,15	up
6053987	7340757	1721885	---	---	---	1,24	up
6053998	7059702	1030770	---	---	---	1,06	down
6054116	7293757	1605693	---	---	---	1,14	up
6054121	7291054	1599399	---	---	---	1,17	down
6054209	7358048	1764822	---	---	---	1,37	up
6054216	7258520	1518879	---	---	---	1,06	up
6054290	7380497	1821852	---	---	---	1,15	up

6054306	7327650	1689694	---	---	---	1,08	up
6054409	7297589	1615620	---	---	---	1,30	up
6054469	7157341	1269261	---	---	---	1,12	up
6054557	7061367	1034817	---	---	---	1,35	down
6054696	7060851	1033440	---	---	---	1,72	down
6054813	7380497	1821827	---	---	---	1,13	up
6054898	7068259	1051655	---	---	---	1,79	down
6054929	7373678	1805857	---	---	---	1,31	down
6054932	7176456	1315836	---	---	---	1,12	up
6055098	7266706	1538744	---	---	---	1,42	down
6055145	7038669	982187	---	---	---	1,16	up
6055232	7067212	1049227	---	---	---	1,09	up
6055296	7258323	1518481	---	---	---	4,85	down
6055386	7041609	989550	---	---	---	1,41	up
6055442	7240569	1475524	---	---	---	1,02	down
6055562	7064134	1041434	---	---	---	1,08	up
6055661	7379957	1820632	---	---	---	1,39	down
6055759	7360325	1770510	---	---	---	1,05	down
6055808	7210600	1400516	---	---	---	1,21	down
6055821	7380497	1821836	---	---	---	2,11	down
6055824	7037806	980239	---	---	---	1,03	up
6055865	7339379	1718315	---	---	---	1,30	up
6055942	7143455	1234711	---	---	---	1,05	down
6055988	7059961	1031398	---	---	---	1,49	down
6056051	7302786	1628869	---	---	---	1,52	up
6056142	7274931	1559713	---	---	---	1,01	down
6056326	7101400	1130926	---	---	---	1,47	up
6056391	7344702	1732137	---	---	---	1,55	up
6056520	7068259	1051634	---	---	---	1,02	up
6056565	7119930	1177219	---	---	---	1,58	up
6056574	7032444	966754	---	---	---	1,01	down
6056644	7112225	1157574	---	---	---	1,06	down
6056860	7367971	1789123	---	---	---	1,04	down
6056884	7031774	964780	---	---	---	1,17	down
6056947	7056333	1023689	---	---	---	1,04	up
6056971	7357890	1764384	---	---	---	1,10	down
6056994	7240569	1475359	---	---	---	1,02	up
6056998	7374790	1808779	---	---	---	1,17	up
6057012	7088625	1099881	---	---	---	1,00	down
6057023	7378997	1818620	---	---	---	3,83	up
6057037	7198644	1372269	---	---	---	1,06	down
6057112	7111066	1154952	---	---	---	1,05	down
6057218	7265989	1537103	---	---	---	1,68	down
6057365	7280743	1574563	---	---	---	1,12	up
6057428	7111573	1156027	---	---	---	1,06	down
6057435	7243130	1480931	---	---	---	1,27	down
6057470	7371677	1800756	---	---	---	1,02	up
6057534	7202550	1381611	---	---	---	1,60	up
6057538	7233425	1456754	---	---	---	1,10	down
6057577	7072765	1062743	---	---	---	2,03	up
6057673	7133749	1210800	---	---	---	1,76	down
6057775	7340838	1722048	---	---	---	1,06	down
6057804	7264274	1533172	---	---	---	1,99	up
6057872	7210263	1399744	---	---	---	1,04	down
6057916	7260613	1524294	---	---	---	1,86	up
6058090	7281507	1576679	---	---	---	1,67	down

6058169	7156052	1265765	---	---	---	2,13	up
6058189	7108551	1148700	---	---	---	1,04	up
6058226	7086522	1093936	---	---	---	2,89	down
6058309	7120010	1177380	---	---	---	1,06	down
6058374	7288063	1591902	---	---	---	1,00	up
6058394	7367971	1789110	---	---	---	1,06	up
6058425	7232029	1452776	---	---	---	1,77	up
6058447	7041584	989464	---	---	---	1,02	up
6058461	7037806	980235	---	---	---	1,41	down
6058501	7115708	1166475	---	---	---	1,02	up
6058629	7350993	1747549	---	---	---	1,67	up
6058854	7061003	1033925	---	---	---	1,08	up
6058903	7337522	1713594	---	---	---	1,26	down
6059052	7340506	1721353	---	---	---	1,26	down
6059167	7340304	1720864	---	---	---	1,84	down
6059322	7336931	1711872	---	---	---	1,07	down
6059334	7050930	1011608	---	---	---	1,01	down
6059346	7070869	1058498	---	---	---	1,14	up
6059481	7156061	1265822	---	---	---	1,18	up
6059485	7370484	1797165	---	---	---	1,51	up
6059530	7117158	1170017	---	---	---	1,28	down
6059607	7039265	983658	---	---	---	1,09	up
6059613	7093806	1112163	---	---	---	1,93	down
6059692	7297483	1615249	---	---	---	1,04	up
6059724	7356115	1760130	---	---	---	1,03	down
6059726	7179143	1322790	---	---	---	2,17	down
6059814	7061703	1035736	---	---	---	1,57	up
6059820	7065655	1045260	---	---	---	1,02	down
6059853	7049118	1007760	---	---	---	1,27	up
6059996	7161841	1279880	---	---	---	1,25	up
6060045	7086966	1095255	---	---	---	1,15	down
6060099	7101258	1130575	---	---	---	1,34	up
6060120	7041609	989578	---	---	---	1,53	up
6060206	7197820	1370103	---	---	---	1,04	down
6060231	7231203	1450468	---	---	---	1,04	up
6060234	7186106	1340490	---	---	---	1,15	up
6060273	7075445	1069356	---	---	---	1,53	up
6060517	7226241	1437793	---	---	---	1,10	down
6060528	7155286	1263841	---	---	---	1,19	up
6060624	7050167	1009820	---	---	---	1,08	down
6060675	7067828	1050791	---	---	---	1,06	down
6060685	7069830	1055610	---	---	---	1,19	up
6060823	7068259	1051648	---	---	---	1,50	down
6060927	7052331	1014601	---	---	---	1,19	up
6061308	7267802	1541770	---	---	---	1,04	up
6061352	7071264	1059360	---	---	---	1,32	down
6061451	7350237	1745491	---	---	---	1,08	down
6061475	7339732	1719221	---	---	---	1,29	down
6061570	7236358	1464258	---	---	---	1,07	down
6061641	7116103	1167609	---	---	---	1,07	down
6061735	7071264	1059341	---	---	---	1,02	up
6061780	7071264	1059356	---	---	---	1,01	down
6061789	7274780	1559249	---	---	---	1,38	up
6061798	7235069	1460970	---	---	---	1,18	up
6061844	7240665	1475845	---	---	---	1,17	down
6061891	7236254	1464067	---	---	---	1,24	down

6061933	7341002	1722553	---	---	---	1,98	up
6061934	7088489	1099516	---	---	---	1,16	up
6062094	7175368	1313283	---	---	---	1,02	up
6062202	7156114	1266042	---	---	---	2,09	down
6062206	7059020	1029333	---	---	---	1,26	down
6062257	7059375	1030074	---	---	---	1,11	up
6062334	7369938	1795564	---	---	---	2,73	down
6062389	7067828	1050780	---	---	---	1,06	up
6062519	7053874	1018319	---	---	---	1,03	up
6062610	7099294	1126105	---	---	---	1,11	up
6062627	7120827	1179353	---	---	---	1,15	up
6062715	7156114	1266052	---	---	---	1,12	down
6062844	7138047	1221233	---	---	---	2,15	down
6062899	7068259	1051593	---	---	---	1,57	up
6062913	7169573	1298391	---	---	---	1,92	down
6063032	7323545	1679989	---	---	---	1,55	up
6063100	7279073	1570730	---	---	---	1,37	down
6063173	7209927	1398921	---	---	---	1,03	down
6063191	7210135	1399463	---	---	---	2,14	down
6063208	7050726	1011254	---	---	---	1,84	up
6063483	7190844	1352138	---	---	---	1,29	down
6063635	7049399	1008389	---	---	---	1,22	down
6063636	7157341	1269149	---	---	---	2,20	down
6063743	7129578	1200058	---	---	---	1,11	down
6063919	7217650	1417197	---	---	---	1,12	down
6063999	7112225	1157533	---	---	---	1,16	down
6064198	7166497	1290355	---	---	---	1,19	up
6064226	7069253	1054175	---	---	---	1,16	down
6064253	7267802	1541848	---	---	---	1,55	down
6064360	7243647	1482443	---	---	---	1,34	down
6064452	7364346	1779988	---	---	---	1,40	down
6064494	7275927	1562338	---	---	---	1,22	up
6064522	7156170	1266282	---	---	---	1,02	down
6064534	7024628	947422	---	---	---	1,31	up
6064555	7162144	1280494	---	---	---	1,87	down
6064672	7193056	1358260	---	---	---	1,08	up
6064681	7049399	1008362	---	---	---	1,49	down
6064689	7383501	1828207	---	---	---	1,44	up
6064705	7278957	1570393	---	---	---	1,07	down
6064781	7287222	1589747	---	---	---	2,02	up
6064814	7084193	1089097	---	---	---	2,49	up
6064857	7131103	1204332	---	---	---	1,07	down
6065049	7116614	1168794	---	---	---	1,17	up
6065092	7237438	1466791	---	---	---	1,03	up
6065144	7359551	1768641	---	---	---	1,09	up
6065308	7287222	1589716	---	---	---	1,04	up
6065366	7063515	1039636	---	---	---	1,43	up
6065397	7313411	1655442	---	---	---	1,10	up
6065527	7278957	1570393	---	---	---	2,46	down
6065562	7172988	1307278	---	---	---	1,39	up
6065584	7358859	1766995	---	---	---	1,17	down
6065740	7180861	1327219	---	---	---	1,18	up
6065798	7331297	1698810	---	---	---	1,95	up
6065837	7336727	1711284	---	---	---	1,14	up
6065859	7029078	958873	---	---	---	1,89	up
6065897	7028624	957991	---	---	---	1,06	down

6065919	7033337	969489	---	---	---	1,05	up
6066030	7340304	1720868	---	---	---	1,48	down
6066180	7289382	1595206	---	---	---	1,78	up
6066208	7243130	1480877	---	---	---	1,38	down
6066259	7108551	1148690	---	---	---	1,21	up
6066428	7307721	1641994	---	---	---	2,64	up
6066478	7265259	1535442	---	---	---	1,06	up
6066485	7240569	1475372	---	---	---	1,13	down
6066510	7068853	1053109	---	---	---	1,01	up
6066550	7062436	1037666	---	---	---	1,29	down
6066691	7286807	1588828	---	---	---	1,27	down
6066715	7212735	1405028	---	---	---	2,13	down
6066821	7059766	1030972	---	---	---	1,19	down
6066881	7188822	1346632	---	---	---	1,11	down
6066884	7098451	1123825	---	---	---	1,26	down
6066920	7174149	1310529	---	---	---	1,10	up
6067058	7315206	1660024	---	---	---	1,15	up
6067067	7196803	1367338	---	---	---	1,17	down
6067183	7368954	1792772	---	---	---	1,68	down
6067281	7249503	1496172	---	---	---	1,11	up
6067395	7243647	1482480	---	---	---	1,02	down
6067407	7233921	1458161	---	---	---	2,21	down
6067489	7363922	1778857	---	---	---	1,21	up
6067511	7364346	1780003	---	---	---	1,44	down
6067588	7297589	1615640	---	---	---	1,26	up
6067612	7108345	1148071	---	---	---	1,38	up
6067642	7337224	1712607	---	---	---	1,39	up
6067673	7033672	970366	---	---	---	1,05	down
6067693	7112225	1157595	---	---	---	1,00	up
6067802	7321029	1674822	---	---	---	1,41	down
6067847	7297589	1615637	---	---	---	1,36	down
6067906	7286807	1588821	---	---	---	1,18	up
6068017	7203872	1384750	---	---	---	2,40	down
6068065	7121866	1181882	---	---	---	1,11	down
6068072	7033672	970355	---	---	---	1,75	down
6068183	7142081	1230974	---	---	---	1,08	down
6068220	7244378	1484395	---	---	---	1,04	down
6068412	7115146	1164938	---	---	---	1,17	down
6068422	7038669	982187	---	---	---	1,02	up
6068426	7236395	1464329	---	---	---	1,29	down
6068497	7384365	1830269	---	---	---	1,05	up
6068586	7040260	986078	---	---	---	1,13	up
6068750	7033337	969490	---	---	---	1,53	down
6068898	7106414	1143193	---	---	---	2,06	up
6068976	7298692	1618405	---	---	---	1,17	down
6068989	7233425	1456778	---	---	---	1,04	up
6069079	7032618	967304	---	---	---	1,10	down
6069148	7068259	1051596	---	---	---	1,15	down
6069188	7295410	1609750	---	---	---	1,05	down
6069305	7217143	1415617	---	---	---	1,25	up
6069348	7287222	1589747	---	---	---	1,17	down
6069355	7350489	1746131	---	---	---	1,09	down
6069448	7031576	964109	---	---	---	1,02	up
6069674	7068073	1051166	---	---	---	1,14	up
6069705	7303616	1631341	---	---	---	1,04	down
6069708	7192696	1357181	---	---	---	1,11	down

6069730	7032083	965682	---	---	---	1,57	up
6069744	7376566	1812879	---	---	---	1,01	down
6069819	7099650	1126882	---	---	---	1,20	up
6069892	7167507	1293142	---	---	---	1,20	up
6069966	7061367	1034850	---	---	---	1,29	up
6070004	7193644	1359711	---	---	---	1,05	down
6070063	7086966	1095290	---	---	---	1,54	down
6070092	7096859	1119327	---	---	---	1,76	up
6070139	7087965	1098055	---	---	---	1,16	down
6070262	7088489	1099522	---	---	---	1,36	down
6070310	7178060	1320177	---	---	---	1,02	down
6070313	7380452	1821676	---	---	---	1,61	up
6070472	7072765	1062743	---	---	---	1,42	up
6070882	7380497	1821823	---	---	---	1,34	up
6071120	7347396	1738527	---	---	---	1,03	up
6071156	7096924	1119613	---	---	---	1,06	down
6071333	7328695	1692314	---	---	---	1,65	down
6071434	7078666	1076507	---	---	---	1,04	down
6071581	7289382	1595202	---	---	---	1,06	up
6071621	7231650	1451835	---	---	---	1,14	down
6071624	7189689	1349026	---	---	---	1,28	down
6071671	7233359	1456506	---	---	---	1,83	up
6071921	7161992	1280150	---	---	---	1,03	up
6071943	7062436	1037722	---	---	---	1,75	down
6072424	7217650	1417171	---	---	---	1,48	up
6072431	7284380	1583480	---	---	---	1,06	down
6072490	7302018	1626958	---	---	---	1,08	up
6072510	7247954	1492388	---	---	---	2,35	up
6072525	7277783	1567475	---	---	---	1,76	down
6072618	7149008	1248602	---	---	---	1,15	up
6072649	7363768	1778604	---	---	---	1,10	up
6072685	7365183	1781917	---	---	---	1,25	up
6072774	7329135	1693488	---	---	---	1,14	up
6072842	7357890	1764382	---	---	---	1,55	down
6072861	7367971	1789110	---	---	---	1,09	up
6073019	7054636	1019873	---	---	---	1,36	down
6073203	7222221	1428063	---	---	---	1,07	up
6073228	7064468	1042363	---	---	---	1,41	down
6073258	7361420	1773056	---	---	---	1,18	up
6073290	7380497	1821851	---	---	---	1,06	up
6073331	7076236	1071186	---	---	---	1,17	down
6073430	7072225	1061401	---	---	---	1,52	up
6073455	7243130	1480930	---	---	---	1,21	down
6073626	7359426	1768357	---	---	---	1,59	up
6073676	7233440	1456837	---	---	---	1,21	down
6073679	7242451	1479349	---	---	---	2,08	down
6073810	7060851	1033365	---	---	---	1,16	down
6073888	7344406	1731224	---	---	---	1,03	up
6074037	7339379	1718349	---	---	---	1,47	down
6074057	7099573	1126731	---	---	---	1,21	down
6074139	7098411	1123735	---	---	---	1,54	up
6074227	7297274	1614658	---	---	---	1,04	up
6074287	7146982	1243285	---	---	---	1,29	up
6074345	7351951	1749813	---	---	---	1,00	up
6074534	7331719	1699912	---	---	---	1,22	up
6074601	7062436	1037666	---	---	---	1,61	down

6074687	7146982	1243288	---	---	---	2,55	down
6074690	7232340	1453525	---	---	---	1,07	up
6074710	7241136	1476724	---	---	---	1,00	up
6074799	7280743	1574530	---	---	---	1,10	up
6074800	7142853	1232906	---	---	---	1,02	up
6074858	7088625	1099865	---	---	---	1,01	up
6074870	7027795	956272	---	---	---	2,17	up
6075149	7034293	971956	---	---	---	1,25	down
6075211	7186464	1341386	---	---	---	1,27	up
6075412	7245874	1487596	---	---	---	1,15	up
6075431	7319937	1672275	---	---	---	1,02	up
6075468	7101400	1130899	---	---	---	2,43	up
6075572	7260613	1524268	---	---	---	1,01	up
6075769	7120169	1177816	---	---	---	1,44	down
6076138	7043535	994099	---	---	---	1,19	down
6076359	7380497	1821843	---	---	---	1,19	up
6076381	7374362	1807642	---	---	---	1,06	up
6076385	7213908	1407650	---	---	---	1,14	up
6076388	7070616	1057786	---	---	---	1,26	up
6076410	7196233	1366098	---	---	---	1,41	up
6076433	7357890	1764381	---	---	---	1,15	up
6076492	7373417	1805091	---	---	---	1,17	up
6076601	7264797	1534430	---	---	---	1,16	down
6076695	7037806	980239	---	---	---	1,23	down
6076712	7206133	1389966	---	---	---	1,03	down
6076734	7364346	1780017	---	---	---	1,14	down
6076773	7280743	1574492	---	---	---	1,00	down
6076774	7172066	1304738	---	---	---	1,55	down
6076885	7049332	1008174	---	---	---	3,58	down
6076959	7282343	1578666	---	---	---	1,62	down
6076998	7172373	1305578	---	---	---	1,06	up
6077016	7108345	1148071	---	---	---	1,02	up
6077096	7327169	1688439	---	---	---	1,21	up
6077295	7060195	1031973	---	---	---	1,37	up
6077341	7190524	1351177	---	---	---	1,43	down
6077403	7087282	1096214	---	---	---	1,06	down
6077611	7065265	1044570	---	---	---	1,55	down
6077841	7237719	1467521	---	---	---	1,18	up
6077851	7174281	1310847	---	---	---	1,31	up
6078016	7247848	1492071	---	---	---	1,03	up
6078117	7374790	1808785	---	---	---	1,15	up
6078151	7162144	1280500	---	---	---	1,22	up
6078211	7279073	1570678	---	---	---	2,29	down
6078290	7340990	1722505	---	---	---	1,20	up
6078400	7157341	1269197	---	---	---	1,56	down
6078564	7329846	1694990	---	---	---	1,71	up
6078638	7041584	989462	---	---	---	2,90	up
6078668	7162177	1280582	---	---	---	1,09	up
6078693	7192320	1356026	---	---	---	1,21	up
6078710	7054958	1020577	---	---	---	1,07	up
6078729	7088625	1099866	---	---	---	1,24	up
6078753	7337224	1712589	---	---	---	1,74	up
6078792	7150631	1252186	---	---	---	1,12	down
6078859	7236395	1464342	---	---	---	1,23	down
6078976	7148978	1248526	---	---	---	1,19	up
6079007	7119930	1177200	---	---	---	1,01	up

6079082	7343868	1729856	---	---	---	1,02	down
6079106	7155116	1263389	---	---	---	1,69	up
6079241	7240569	1475493	---	---	---	1,06	down
6079268	7249503	1496240	---	---	---	1,14	down
6079318	7217650	1417196	---	---	---	1,28	up
6079369	7260613	1524275	---	---	---	1,03	up
6079427	7122486	1183424	---	---	---	1,19	down
6079461	7032444	966757	---	---	---	1,16	down
6079471	7243603	1482268	---	---	---	1,01	down
6079503	7133612	1210215	---	---	---	1,10	up
6079534	7132125	1206631	---	---	---	2,28	down
6079577	7115880	1166829	---	---	---	1,80	down
6079670	7101564	1131390	---	---	---	2,31	up
6079743	7171034	1302293	---	---	---	1,20	up
6079745	7069830	1055630	---	---	---	1,18	up
6079808	7349882	1744783	---	---	---	1,28	up
6079846	7103811	1137067	---	---	---	1,02	up
6079919	7050930	1011628	---	---	---	1,42	down
6079964	7343122	1727735	---	---	---	1,05	down
6079975	7211363	1402048	---	---	---	1,10	down
6080017	7168858	1296843	---	---	---	1,25	up
6080018	7171047	1302369	---	---	---	1,19	down
6080025	7108345	1148080	---	---	---	1,03	down
6080044	7197056	1367847	---	---	---	1,32	down
6080132	7331297	1698810	---	---	---	1,15	up
6080142	7172373	1305573	---	---	---	1,01	down
6080155	7186464	1341381	---	---	---	1,04	down
6080199	7373906	1806358	---	---	---	1,10	down
6080210	7096924	1119620	---	---	---	1,14	down
6080236	7095956	1117047	---	---	---	1,04	down
6080375	7231203	1450402	---	---	---	1,34	up
6080561	7062436	1037711	---	---	---	1,22	up
6080611	7062173	1037004	---	---	---	1,10	down
6080678	7380497	1821856	---	---	---	1,05	up
6080773	7029052	958799	---	---	---	1,11	down
6080792	7061367	1034852	---	---	---	1,11	down
6080805	7342959	1727345	---	---	---	1,59	up
6080819	7325674	1685215	---	---	---	1,56	down
6080820	7243130	1480834	---	---	---	1,12	up
6080901	7376566	1812872	---	---	---	1,36	up
6080902	7065266	1044584	---	---	---	1,06	up
6080912	7139026	1223514	---	---	---	1,41	up
6080919	7340757	1721890	---	---	---	1,40	down
6080929	7107066	1144785	---	---	---	1,29	down
6081065	7166439	1290097	---	---	---	1,28	down
6081135	7112225	1157585	---	---	---	1,05	down
6081204	7267802	1541740	---	---	---	1,09	down
6081215	7236254	1464073	---	---	---	1,13	down
6081259	7078666	1076532	---	---	---	1,16	up
6081264	7279568	1572022	---	---	---	1,43	down
6081345	7293646	1605412	---	---	---	1,39	up
6081577	7188822	1346624	---	---	---	2,22	up
6081596	7337224	1712606	---	---	---	1,80	down
6081610	7325674	1685229	---	---	---	1,27	up
6081688	7102369	1133424	---	---	---	1,01	down
6081701	7087965	1098059	---	---	---	1,02	down

6081789	7112225	1157566	---	---	---	1,19	down
6081815	7240569	1475504	---	---	---	1,09	down
6081975	7190524	1351186	---	---	---	1,12	up
6082033	7380452	1821702	---	---	---	1,07	down
6082083	7049399	1008320	---	---	---	1,04	up
6082106	7273251	1555957	---	---	---	1,12	down
6082220	7202550	1381604	---	---	---	1,22	down
6082366	7225553	1435984	---	---	---	1,01	up
6082481	7139026	1223503	---	---	---	1,07	down
6082576	7194017	1360792	---	---	---	1,25	down
6082803	7176456	1315835	---	---	---	1,05	up
6082868	7111573	1156020	---	---	---	1,02	down
6082959	7098411	1123692	---	---	---	1,10	down
6082970	7368684	1791860	---	---	---	1,66	down
6083066	7249503	1496163	---	---	---	1,15	up
6083126	7034293	971933	---	---	---	1,15	down
6083375	7148978	1248554	---	---	---	1,37	down
6083470	7312621	1653457	---	---	---	1,29	up
6083628	7355804	1759430	---	---	---	1,17	up
6083672	7072765	1062743	---	---	---	1,69	down
6083694	7331297	1698802	---	---	---	1,17	up
6083831	7333333	1703403	---	---	---	1,21	down
6083924	7247228	1490514	---	---	---	1,54	down
6083980	7092965	1110202	---	---	---	1,18	up
6084156	7264274	1533168	---	---	---	2,10	up
6084165	7042382	991287	---	---	---	1,19	down
6084211	7060851	1033423	---	---	---	1,65	up
6084384	7274780	1559232	---	---	---	1,31	down
6084387	7298692	1618413	---	---	---	1,49	down
6084395	7203872	1384772	---	---	---	1,06	up
6084510	7249503	1496215	---	---	---	1,20	down
6084524	7283819	1582121	---	---	---	1,45	down
6084731	7212718	1404942	---	---	---	1,11	up
6084780	7116614	1168786	---	---	---	1,27	down
6084804	7383655	1828573	---	---	---	1,26	up
6084821	7065655	1045237	---	---	---	1,06	down
6084924	7358048	1764804	---	---	---	1,38	down
6084982	7142853	1232908	---	---	---	1,16	up
6084998	7349946	1744951	---	---	---	1,17	up
6085080	7339110	1717619	---	---	---	1,51	down
6085094	7148978	1248466	---	---	---	1,05	up
6085102	7256191	1512862	---	---	---	1,47	down
6085128	7210263	1399764	---	---	---	1,25	up
6085169	7162959	1282084	---	---	---	1,12	down
6085328	7281077	1575562	---	---	---	1,40	up
6085352	7243098	1480750	---	---	---	1,28	up
6085458	7217747	1417489	---	---	---	1,22	down
6085467	7172373	1305583	---	---	---	1,02	up
6085539	7258545	1518929	---	---	---	1,00	down
6085565	7092549	1109120	---	---	---	1,01	down
6085585	7065265	1044569	---	---	---	1,63	down
6085621	7341546	1723975	---	---	---	1,02	up
6085872	7073950	1065906	---	---	---	1,38	up
6085890	7073854	1065635	---	---	---	2,07	up
6086033	7247229	1490564	---	---	---	1,16	up
6086083	7116614	1168791	---	---	---	1,26	up

6086105	7303616	1631323	---	---	---	1,07	up
6086146	7240569	1475498	---	---	---	1,07	down
6086149	7253408	1505951	---	---	---	1,81	down
6086210	7321465	1675744	---	---	---	1,23	up
6086276	7332970	1702540	---	---	---	2,04	down
6086328	7037764	980091	---	---	---	1,43	up
6086350	7243130	1480873	---	---	---	1,54	up
6086447	7099573	1126718	---	---	---	1,05	down
6086477	7247334	1490820	---	---	---	1,23	down
6086553	7321414	1675632	---	---	---	1,02	up
6086649	7191983	1355172	---	---	---	1,39	up
6086670	7198210	1370987	---	---	---	1,02	up
6086680	7108122	1147385	---	---	---	1,32	down
6086765	7170764	1301490	---	---	---	1,75	down
6086854	7115708	1166476	---	---	---	2,14	down
6086867	7027759	956125	---	---	---	1,82	up
6086955	7149817	1250307	---	---	---	1,23	up
6087050	7236597	1464773	---	---	---	1,05	up
6087075	7070836	1058351	---	---	---	1,05	up
6087130	7330238	1695923	---	---	---	1,57	up
6087165	7235069	1460993	---	---	---	1,12	down
6087508	7054958	1020569	---	---	---	1,12	down
6087554	7292517	1602551	---	---	---	1,19	up
6087570	7027797	956311	---	---	---	1,08	up
6087670	7179785	1324461	---	---	---	1,22	down
6087734	7101258	1130578	---	---	---	1,49	up
6087750	7352635	1751446	---	---	---	1,24	up
6087797	7211389	1402114	---	---	---	1,26	down
6087819	7243363	1481625	---	---	---	1,22	up
6087834	7376206	1811974	---	---	---	1,34	down
6087846	7236254	1464059	---	---	---	1,03	up
6087904	7209927	1398930	---	---	---	1,05	down
6087940	7342959	1727344	---	---	---	1,06	up
6088003	7280743	1574552	---	---	---	1,99	up
6088190	7253408	1505944	---	---	---	1,13	up
6088205	7092549	1109174	---	---	---	1,15	down
6088261	7238115	1468645	---	---	---	1,21	down
6088291	7043535	994163	---	---	---	1,30	up
6088343	7279586	1572076	---	---	---	2,27	up
6088379	7188822	1346630	---	---	---	1,44	down
6088424	7107926	1146833	---	---	---	1,52	down
6088569	7043379	993647	---	---	---	1,06	down
6088653	7287337	1589978	---	---	---	2,10	down
6088696	7065266	1044587	---	---	---	1,54	up
6088848	7060851	1033394	---	---	---	1,27	down
6088924	7112225	1157583	---	---	---	1,64	down
6089007	7141061	1228709	---	---	---	2,06	down
6089161	7037764	979974	---	---	---	1,33	down
6089197	7196029	1365627	---	---	---	1,07	up
6089326	7243130	1480888	---	---	---	1,18	up
6089337	7238252	1469292	---	---	---	1,15	down
6089368	7308679	1644251	---	---	---	1,91	down
6089525	7371677	1800754	---	---	---	1,18	up
6089526	7369706	1794787	---	---	---	1,10	up
6089682	7277719	1567088	---	---	---	1,02	down
6089690	7332970	1702533	---	---	---	1,04	up

6089724	7172066	1304736	---	---	---	1,76	down
6089820	7350489	1746124	---	---	---	1,04	up
6089828	7068853	1053131	---	---	---	1,02	down
6089988	7030518	961685	---	---	---	1,22	up
6090026	7052385	1014771	---	---	---	1,34	down
6090047	7311218	1650341	---	---	---	1,00	down
6090135	7067614	1050198	---	---	---	1,03	down
6090169	7274892	1559561	---	---	---	1,03	down
6090189	7279533	1571906	---	---	---	1,05	up
6090207	7343868	1729853	---	---	---	1,05	down
6090222	7267953	1542256	---	---	---	1,44	up
6090257	7350993	1747504	---	---	---	1,13	up
6090258	7355220	1758095	---	---	---	2,07	down
6090277	7062173	1037022	---	---	---	1,30	up
6090481	7115708	1166471	---	---	---	1,05	down
6090523	7256191	1512880	---	---	---	1,21	up
6090612	7132024	1206337	---	---	---	1,31	up
6090636	7258670	1519350	---	---	---	1,21	down
6090730	7102369	1133417	---	---	---	1,19	down
6090843	7053874	1018312	---	---	---	1,33	up
6090952	7337224	1712591	---	---	---	1,38	down
6090959	7329135	1693488	---	---	---	1,21	down
6091163	7358623	1766253	---	---	---	1,06	down
6091178	7228520	1443766	---	---	---	1,02	up
6091203	7233012	1455409	---	---	---	1,23	up
6091367	7260613	1524267	---	---	---	1,03	down
6091440	7279303	1571205	---	---	---	1,36	down
6091519	7360486	1770962	---	---	---	1,23	down
6091560	7236726	1465066	---	---	---	1,01	down
6091577	7245695	1487082	---	---	---	1,07	down
6091658	7109424	1151113	---	---	---	1,31	down
6091682	7240569	1475522	---	---	---	1,04	up
6091736	7170764	1301441	---	---	---	1,09	down
6091779	7323545	1679984	---	---	---	1,18	up
6091880	7365093	1781623	---	---	---	1,05	down
6091894	7172373	1305581	---	---	---	1,31	down
6091907	7059766	1030973	---	---	---	1,58	down
6091942	7127257	1194803	---	---	---	1,63	up
6091954	7050780	1011387	---	---	---	1,32	up
6092133	7339110	1717603	---	---	---	1,38	up
6092150	7112570	1158684	---	---	---	1,23	down
6092159	7181193	1328293	---	---	---	1,27	down
6092173	7274780	1559197	---	---	---	1,28	up
6092345	7112562	1158609	---	---	---	1,08	up
6092352	7247954	1492394	---	---	---	1,23	up
6092410	7344630	1731939	---	---	---	1,04	up
6092437	7156052	1265744	---	---	---	1,29	up
6092568	7059020	1029330	---	---	---	1,39	down
6092677	7279881	1572715	---	---	---	1,23	up
6092752	7059766	1030972	---	---	---	1,42	down
6092891	7108551	1148693	---	---	---	1,22	up
6092913	7274780	1559242	---	---	---	1,72	down
6093057	7350993	1747514	---	---	---	1,24	down
6093171	7210263	1399752	---	---	---	1,63	up
6093252	7196029	1365627	---	---	---	1,78	up
6093306	7099517	1126503	---	---	---	1,07	up

6093420	7240569	1475464	---	---	---	1,33	down
6093449	7263152	1530370	---	---	---	1,14	up
6093556	7169599	1298449	---	---	---	1,17	up
6093683	7240224	1474388	---	---	---	1,11	down
6093693	7373906	1806351	---	---	---	1,21	up
6093722	7041584	989457	---	---	---	1,27	up
6093850	7133612	1210248	---	---	---	1,20	up
6093933	7029770	960146	---	---	---	1,47	up
6093934	7196029	1365631	---	---	---	1,13	down
6094017	7086966	1095254	---	---	---	1,08	up
6094058	7062173	1037006	---	---	---	1,12	down
6094070	7340990	1722515	---	---	---	1,03	up
6094094	7341397	1723633	---	---	---	1,19	down
6094242	7258520	1518895	---	---	---	1,31	down
6094431	7279793	1572538	---	---	---	1,11	up
6094511	7031618	964199	---	---	---	1,23	up
6094531	7344190	1730605	---	---	---	1,22	up
6094709	7058713	1028658	---	---	---	1,00	down
6094792	7073928	1065789	---	---	---	1,49	up
6094803	7049689	1008892	---	---	---	1,34	down
6094819	7060851	1033435	---	---	---	1,46	down
6094922	7098451	1123808	---	---	---	1,24	down
6094928	7292657	1602844	---	---	---	1,45	up
6095012	7316054	1662298	---	---	---	2,94	up
6095117	7256191	1512862	---	---	---	1,45	up
6095390	7373038	1804277	---	---	---	2,18	up
6095401	7031618	964200	---	---	---	1,23	down
6095428	7127540	1195286	---	---	---	1,19	down
6095450	7240569	1475325	---	---	---	1,45	up
6095621	7243130	1480893	---	---	---	1,34	up
6095634	7028624	958003	---	---	---	1,18	down
6095642	7211363	1402057	---	---	---	1,30	up
6095695	7099573	1126715	---	---	---	1,22	up
6095739	7145669	1239990	---	---	---	1,18	up
6095839	7213908	1407660	---	---	---	1,36	down
6095895	7087282	1096162	---	---	---	1,22	down
6095924	7112225	1157611	---	---	---	1,91	down
6095967	7253088	1505113	---	---	---	1,28	up
6096009	7159036	1272962	---	---	---	1,04	down
6096026	7122486	1183412	---	---	---	1,11	up
6096189	7060851	1033423	---	---	---	1,28	up
6096281	7080731	1080968	---	---	---	1,65	up
6096332	7052385	1014791	---	---	---	1,22	down
6096410	7059375	1030064	---	---	---	1,22	down
6096441	7240232	1474409	---	---	---	1,38	down
6096546	7176456	1315848	---	---	---	1,05	down
6096557	7331434	1699231	---	---	---	1,01	down
6096709	7061367	1034856	---	---	---	2,09	down
6096741	7039223	983564	---	---	---	1,43	up
6096769	7065655	1045255	---	---	---	1,09	down
6096785	7149817	1250309	---	---	---	1,32	down
6096816	7070836	1058344	---	---	---	1,17	up
6096969	7340990	1722518	---	---	---	1,16	down
6097093	7211363	1402057	---	---	---	1,32	down
6097196	7038530	981882	---	---	---	1,37	up
6097210	7042382	991291	---	---	---	1,60	up

6097225	7056333	1023704	---	---	---	1,63	down
6097245	7148978	1248542	---	---	---	1,04	down
6097280	7336931	1711874	---	---	---	1,13	up
6097284	7228530	1443825	---	---	---	1,18	up
6097389	7049399	1008390	---	---	---	1,27	up
6097458	7312621	1653461	---	---	---	1,33	up
6097523	7053874	1018320	---	---	---	1,89	down
6097667	7321029	1674821	---	---	---	1,74	down
6097672	7249737	1496759	---	---	---	1,62	down
6097716	7154655	1262332	---	---	---	1,41	up
6097994	7062529	1037855	---	---	---	1,17	down
6098060	7243130	1480863	---	---	---	1,02	up
6098117	7132024	1206337	---	---	---	1,04	up
6098221	7095021	1115131	---	---	---	1,35	up
6098282	7040260	986090	---	---	---	1,03	up
6098334	7052813	1015929	---	---	---	1,13	up
6098343	7297274	1614591	---	---	---	1,04	down
6098537	7038610	982091	---	---	---	1,10	up
6098738	7243130	1480866	---	---	---	1,13	up
6098749	7064224	1041795	---	---	---	1,51	down
6098777	7338807	1716798	---	---	---	1,02	up
6098975	7239752	1473153	---	---	---	1,39	up
6099119	7067670	1050343	---	---	---	1,47	down
6099203	7037764	980078	---	---	---	1,95	down
6099255	7033337	969516	---	---	---	1,86	down
6099318	7077170	1073575	---	---	---	1,05	down
6099355	7196029	1365613	---	---	---	1,94	down
6099703	7215722	1412264	---	---	---	2,43	down
6099759	7033337	969487	---	---	---	1,48	up
6099785	7028624	957999	---	---	---	1,06	up
6099791	7162959	1282087	---	---	---	1,56	down
6099883	7384365	1830283	---	---	---	1,02	down
6099996	7156052	1265787	---	---	---	1,18	up
6100130	7131889	1206090	---	---	---	1,08	up
6100136	7217650	1417174	---	---	---	1,58	up
6100164	7076236	1071181	---	---	---	1,15	down
6100197	7193056	1358265	---	---	---	1,25	up
6100219	7120039	1177539	---	---	---	1,96	up
6100233	7180687	1326630	---	---	---	1,10	up
6100273	7112566	1158635	---	---	---	1,41	up
6100359	7350993	1747527	---	---	---	1,13	down
6100391	7180630	1326450	---	---	---	1,01	up
6100399	7248790	1494549	---	---	---	1,38	up
6100437	7344406	1731189	---	---	---	1,21	down
6100562	7315206	1660010	---	---	---	1,52	down
6100614	7213945	1407836	---	---	---	1,33	down
6100746	7062173	1036999	---	---	---	1,09	down
6100971	7196029	1365602	---	---	---	1,17	up
6100997	7247954	1492388	---	---	---	1,54	up
6101078	7376820	1813453	---	---	---	1,34	down
6101090	7065827	1045723	---	---	---	1,43	up
6101186	7039589	984517	---	---	---	1,29	down
6101336	7211389	1402114	---	---	---	1,10	down
6101352	7279793	1572529	---	---	---	1,76	down
6101375	7235069	1460988	---	---	---	1,14	up
6101419	7131360	1204985	---	---	---	1,13	down

6101454	7038153	981157	---	---	---	1,49	down
6101552	7259923	1522527	---	---	---	1,04	down
6101635	7284359	1583435	---	---	---	1,10	up
6101665	7196029	1365642	---	---	---	1,14	down
6101707	7210135	1399456	---	---	---	1,03	up
6101736	7049399	1008333	---	---	---	1,05	down
6101884	7371253	1799581	---	---	---	1,05	up
6101913	7280743	1574526	---	---	---	1,04	up
6101919	7231203	1450442	---	---	---	1,07	up
6101936	7274593	1558812	---	---	---	1,65	down
6102010	7276231	1563115	---	---	---	1,36	down
6102221	7323545	1679991	---	---	---	1,03	up
6102380	7232340	1453534	---	---	---	1,43	down
6102484	7117187	1170151	---	---	---	1,02	up
6102547	7330396	1696358	---	---	---	1,03	down
6102560	7360486	1770935	---	---	---	1,59	down
6102673	7071264	1059362	---	---	---	1,37	down
6102674	7316644	1664054	---	---	---	1,12	down
6102718	7331434	1699198	---	---	---	1,60	up
6102812	7225553	1435972	---	---	---	1,26	up
6102975	7031774	964789	---	---	---	1,03	down
6103115	7314270	1657749	---	---	---	1,74	down
6103150	7268375	1543447	---	---	---	1,31	up
6103151	7243647	1482426	---	---	---	1,02	down
6103192	7249503	1496221	---	---	---	1,22	down
6103245	7213945	1407833	---	---	---	1,42	up
6103259	7079905	1079346	---	---	---	2,84	up
6103383	7115362	1165598	---	---	---	1,33	up
6103441	7353712	1753945	---	---	---	1,31	up
6103711	7320337	1673313	---	---	---	1,24	up
6103760	7052385	1014784	---	---	---	1,05	down
6103889	7041609	989566	---	---	---	1,24	up
6103901	7052813	1015919	---	---	---	1,37	down
6103910	7297274	1614660	---	---	---	1,16	down
6104087	7156052	1265784	---	---	---	1,08	down
6104528	7097240	1120369	---	---	---	2,36	down
6104605	7295410	1609777	---	---	---	1,54	down
6104616	7034293	971982	---	---	---	2,99	up
6104713	7352046	1750028	---	---	---	1,06	down
6104793	7071714	1060359	---	---	---	1,02	up
6105131	7236358	1464218	---	---	---	1,55	down
6105212	7336250	1710162	---	---	---	1,35	up
6105242	7186440	1341260	---	---	---	1,50	down
6105299	7061703	1035736	---	---	---	1,41	down
6105416	7294151	1606609	---	---	---	1,07	up
6105611	7148978	1248474	---	---	---	1,10	down
6105787	7148978	1248496	---	---	---	1,10	up
6105929	7108300	1147916	---	---	---	1,00	down
6106128	7243653	1482534	---	---	---	1,04	down
6106143	7180243	1325513	---	---	---	1,01	up
6106169	7217747	1417512	---	---	---	1,57	up
6106224	7339110	1717609	---	---	---	1,19	down
6106261	7300446	1622842	---	---	---	1,78	up
6106437	7233970	1458273	---	---	---	1,10	up
6106504	7376820	1813402	---	---	---	1,26	down
6106507	7065827	1045726	---	---	---	2,06	up

6106600	7329075	1693373	---	---	---	1,51	down
6106640	7180861	1327223	---	---	---	1,03	up
6106705	7034532	972654	---	---	---	1,06	up
6106802	7167507	1293148	---	---	---	1,92	up
6106990	7142416	1231800	---	---	---	1,27	up
6107103	7254405	1508642	---	---	---	1,84	up
6107361	7062529	1037880	---	---	---	1,20	down
6107726	7083031	1086290	---	---	---	1,03	up
6107798	7337260	1712780	---	---	---	1,19	up
6107900	7049399	1008318	---	---	---	1,15	up
6107930	7108345	1148073	---	---	---	2,01	up
6107942	7067670	1050346	---	---	---	1,07	down
6107945	7115362	1165614	---	---	---	1,31	down
6107958	7341253	1723272	---	---	---	1,18	up
6107985	7310158	1647850	---	---	---	1,53	up
6108132	7101400	1130892	---	---	---	1,10	up
6108165	7323545	1679975	---	---	---	1,13	up
6108263	7267802	1541825	---	---	---	1,06	up
6108268	7325674	1685217	---	---	---	1,03	up
6108326	7361223	1772621	---	---	---	1,17	down
6108398	7030863	962592	---	---	---	1,34	down
6108440	7186464	1341382	---	---	---	1,06	up
6108459	7133749	1210807	---	---	---	1,36	up
6108495	7190844	1352140	---	---	---	1,01	down
6108687	7043535	994087	---	---	---	1,04	down
6108689	7279793	1572530	---	---	---	1,10	up
6108764	7027759	956128	---	---	---	1,24	up
6108775	7188681	1346293	---	---	---	1,23	down
6108835	7323560	1680044	---	---	---	1,54	down
6108845	7131103	1204320	---	---	---	1,14	up
6108900	7096898	1119518	---	---	---	1,32	down
6109001	7226241	1437798	---	---	---	1,19	down
6109033	7243653	1482532	---	---	---	1,03	up
6109084	7175368	1313287	---	---	---	1,05	down
6109132	7068259	1051661	---	---	---	1,09	down
6109184	7038969	982979	---	---	---	1,02	up
6109204	7324337	1682063	---	---	---	1,05	down
6109280	7052385	1014806	---	---	---	1,05	down
6109367	7180620	1326381	---	---	---	1,07	down
6109375	7067670	1050344	---	---	---	1,48	down
6109458	7244290	1484154	---	---	---	1,10	up
6109547	7098366	1123627	---	---	---	1,25	down
6109672	7268375	1543442	---	---	---	1,09	up
6109822	7098126	1122978	---	---	---	1,15	up
6109837	7286807	1588821	---	---	---	1,17	up
6109860	7129696	1200587	---	---	---	1,20	down
6109885	7177180	1317766	---	---	---	1,93	up
6109903	7034756	973219	---	---	---	1,02	down
6109935	7245921	1487708	---	---	---	1,06	down
6109981	7097680	1121715	---	---	---	1,03	up
6110011	7339379	1718330	---	---	---	1,12	up
6110013	7248790	1494503	---	---	---	1,19	up
6110063	7071681	1060279	---	---	---	1,09	down
6110066	7249503	1496237	---	---	---	1,16	down
6110117	7112671	1158975	---	---	---	1,18	up
6110200	7117187	1170151	---	---	---	1,04	up

6110227	7244290	1484156	---	---	---	1,10	down
6110232	7033504	969865	---	---	---	1,12	up
6110277	7292154	1601672	---	---	---	1,12	up
6110407	7037495	979323	---	---	---	1,72	down
6110465	7199341	1374165	---	---	---	1,35	up
6110474	7186464	1341363	---	---	---	1,04	down
6110536	7363674	1778416	---	---	---	1,12	up
6110554	7243130	1480916	---	---	---	1,28	up
6110562	7115362	1165612	---	---	---	1,08	up
6110568	7337492	1713403	---	---	---	2,89	down
6110678	7358859	1767004	---	---	---	1,14	up
6110700	7199341	1374128	---	---	---	1,50	down
6110730	7248790	1494496	---	---	---	1,02	up
6110809	7293757	1605688	---	---	---	3,38	up
6110961	7111361	1155599	---	---	---	1,09	down
6110963	7352044	1750009	---	---	---	1,69	up
6110968	7144389	1236778	---	---	---	1,19	down
6111001	7265259	1535453	---	---	---	1,18	down
6111008	7305674	1636829	---	---	---	2,16	up
6111056	7050726	1011253	---	---	---	1,01	up
6111066	7059961	1031399	---	---	---	2,49	down
6111073	7180732	1326724	---	---	---	1,04	up
6111118	7233440	1456854	---	---	---	1,00	up
6111245	7112225	1157615	---	---	---	1,20	down
6111338	7279568	1572024	---	---	---	1,05	up
6111375	7378997	1818642	---	---	---	1,69	down
6111398	7338807	1716786	---	---	---	1,13	up
6111460	7033337	969518	---	---	---	1,09	up
6111487	7384509	1830748	---	---	---	1,00	down
6111500	7086522	1093953	---	---	---	2,21	down
6111540	7075445	1069350	---	---	---	2,03	down
6111565	7320337	1673322	---	---	---	1,08	up
6111831	7279568	1572015	---	---	---	1,11	down
6111875	7268457	1543637	---	---	---	1,07	down
6112132	7171525	1303428	---	---	---	1,18	down
6112182	7221453	1426341	---	---	---	1,04	up
6112244	7036412	976851	---	---	---	1,03	up
6112359	7069830	1055589	---	---	---	1,85	down
6112381	7274892	1559551	---	---	---	1,07	down
6112480	7225213	1435121	---	---	---	1,24	up
6112500	7354688	1756376	---	---	---	1,84	up
6112525	7113483	1161002	---	---	---	1,51	up
6112534	7117526	1171032	---	---	---	1,80	up
6112535	7359551	1768641	---	---	---	1,03	up
6112577	7119930	1177203	---	---	---	1,18	up
6112611	7093936	1112472	---	---	---	1,02	up
6112685	7323545	1679935	---	---	---	1,16	down
6112694	7196803	1367342	---	---	---	1,11	up
6112702	7383655	1828574	---	---	---	1,00	up
6112746	7377583	1815461	---	---	---	1,21	down
6112760	7117158	1170027	---	---	---	1,05	down
6112827	7236358	1464221	---	---	---	1,17	down
6112848	7312566	1653294	---	---	---	1,57	down
6112903	7342414	1726093	---	---	---	1,27	up
6112910	7380497	1821838	---	---	---	1,04	down
6112943	7071969	1060891	---	---	---	1,56	up

6112997	7240569	1475449	---	---	---	1,09	up
6113018	7289909	1596509	---	---	---	1,09	down
6113088	7270574	1548527	---	---	---	2,13	up
6113128	7054958	1020586	---	---	---	1,39	up
6113171	7338807	1716795	---	---	---	1,48	down
6113236	7258520	1518863	---	---	---	1,00	up
6113295	7277783	1567470	---	---	---	1,67	up
6113315	7059020	1029338	---	---	---	1,81	up
6113318	7236395	1464344	---	---	---	1,06	down
6113496	7033672	970368	---	---	---	1,12	up
6113509	7101400	1130921	---	---	---	1,15	down
6113722	7058813	1028899	---	---	---	1,10	down
6113730	7042049	990654	---	---	---	1,02	up
6113770	7115362	1165605	---	---	---	1,44	up
6113907	7156763	1267754	---	---	---	2,51	down
6114050	7052567	1015262	---	---	---	2,93	down
6114064	7344630	1731946	---	---	---	1,14	up
6114070	7050930	1011608	---	---	---	1,06	down
6114094	7235069	1460972	---	---	---	1,22	down
6114338	7378878	1818329	---	---	---	1,24	down
6114396	7191594	1354171	---	---	---	1,70	up
6114480	7364995	1781295	---	---	---	1,13	up
6114514	7248790	1494537	---	---	---	1,20	down
6114578	7052331	1014567	---	---	---	1,22	up
6114579	7264808	1534468	---	---	---	1,08	down
6114621	7063515	1039643	---	---	---	1,05	down
6114647	7249503	1496192	---	---	---	1,07	up
6114691	7097485	1120940	---	---	---	1,01	down
6114728	7236358	1464245	---	---	---	1,42	up
6114820	7059375	1030074	---	---	---	1,12	up
6114846	7147828	1245565	---	---	---	1,09	down
6114869	7071264	1059284	---	---	---	1,33	up
6114944	7099650	1126885	---	---	---	1,04	up
6115106	7364346	1780000	---	---	---	1,27	up
6115117	7341546	1723971	---	---	---	1,03	down
6115309	7359551	1768625	---	---	---	2,28	down
6115315	7264797	1534421	---	---	---	1,09	down
6115382	7243628	1482382	---	---	---	1,02	down
6115389	7073950	1065898	---	---	---	1,41	up
6115425	7210600	1400524	---	---	---	1,09	down
6115454	7067670	1050318	---	---	---	1,75	up
6115475	7332970	1702554	---	---	---	1,11	up
6115535	7356027	1759981	---	---	---	1,44	up
6115553	7132125	1206629	---	---	---	1,07	down
6115586	7276762	1564512	---	---	---	1,15	down
6115608	7070616	1057797	---	---	---	1,84	down
6115615	7042382	991289	---	---	---	1,02	down
6115631	7384509	1830750	---	---	---	1,13	down
6115777	7049399	1008347	---	---	---	1,03	up
6115785	7279568	1572003	---	---	---	1,18	up
6115788	7312621	1653459	---	---	---	1,01	down
6115794	7331434	1699209	---	---	---	1,21	down
6115799	7217679	1417316	---	---	---	1,11	up
6115804	7249503	1496227	---	---	---	1,06	down
6115852	7111573	1156024	---	---	---	1,06	down
6115853	7350489	1746129	---	---	---	1,56	up

6116192	7378997	1818674	---	---	---	1,15	up
6116241	7242490	1479443	---	---	---	1,05	up
6116468	7142081	1230979	---	---	---	1,38	down
6116506	7060851	1033419	---	---	---	1,36	up
6116541	7097525	1121043	---	---	---	1,07	down
6116549	7096924	1119613	---	---	---	1,32	down
6116577	7207069	1392032	---	---	---	1,59	down
6116630	7236395	1464345	---	---	---	1,07	up
6116672	7068504	1052161	---	---	---	3,30	up
6116674	7264797	1534431	---	---	---	1,00	up
6116689	7203872	1384774	---	---	---	1,65	up
6116762	7263401	1531001	---	---	---	1,36	down
6116944	7331732	1699989	---	---	---	1,19	down
6117048	7239939	1473788	---	---	---	1,05	up
6117051	7249503	1496184	---	---	---	1,07	up
6117084	7374740	1808618	---	---	---	1,06	down
6117150	7119930	1177226	---	---	---	1,93	down
6117240	7303616	1631361	---	---	---	1,16	up
6117257	7069253	1054156	---	---	---	1,06	up
6117402	7339110	1717614	---	---	---	1,02	down
6117441	7177180	1317787	---	---	---	1,62	down
6117454	7065265	1044574	---	---	---	1,76	up
6117501	7037764	979970	---	---	---	1,52	down
6117705	7360486	1771001	---	---	---	1,98	up
6117720	7289856	1596343	---	---	---	1,05	down
6117831	7229886	1447169	---	---	---	1,06	up
6117982	7245921	1487710	---	---	---	1,14	down
6118067	7280743	1574554	---	---	---	1,56	up
6118095	7119930	1177230	---	---	---	1,44	down
6118099	7162959	1282085	---	---	---	1,67	down
6118158	7053874	1018338	---	---	---	2,06	down
6118256	7238115	1468659	---	---	---	1,11	down
6118349	7050930	1011631	---	---	---	1,01	up
6118413	7364346	1779995	---	---	---	1,52	up
6118439	7359551	1768641	---	---	---	1,02	up
6118480	7321029	1674814	---	---	---	1,36	down
6118546	7243647	1482446	---	---	---	1,03	up
6118620	7243647	1482472	---	---	---	1,12	down
6118693	7103337	1135941	---	---	---	1,78	up
6118714	7197820	1370096	---	---	---	3,18	down
6118904	7339379	1718361	---	---	---	1,18	down
6118920	7238202	1468945	---	---	---	1,52	up
6118937	7289382	1595211	---	---	---	2,20	down
6118966	7107321	1145323	---	---	---	1,11	up
6119087	7243130	1480934	---	---	---	1,42	down
6119091	7050930	1011616	---	---	---	1,42	down
6119150	7280743	1574515	---	---	---	1,66	down
6119235	7039223	983564	---	---	---	1,13	up
6119290	7261766	1527155	---	---	---	1,29	down
6119382	7230698	1449061	---	---	---	1,46	down
6119432	7215722	1412266	---	---	---	2,37	down
6119446	7110330	1152925	---	---	---	1,17	up
6119481	7040260	986060	---	---	---	1,12	up
6119516	7246866	1489794	---	---	---	1,11	up
6119652	7303635	1631459	---	---	---	1,18	up
6119718	7378997	1818659	---	---	---	1,08	down

6119725	7049399	1008329	---	---	---	1,18	up
6119726	7281507	1576699	---	---	---	1,60	down
6120041	7291054	1599400	---	---	---	1,01	down
6120062	7033504	969852	---	---	---	1,44	up
6120093	7351951	1749840	---	---	---	1,04	up
6120205	7338101	1715194	---	---	---	1,25	up
6120222	7062436	1037708	---	---	---	1,39	up
6120283	7330238	1695956	---	---	---	1,09	down
6120354	7323545	1679971	---	---	---	1,31	up
6120400	7338807	1716790	---	---	---	1,20	up
6120482	7176235	1315237	---	---	---	1,27	down
6120505	7230886	1449533	---	---	---	1,33	down
6120656	7367971	1789122	---	---	---	1,03	down
6120691	7067614	1050200	---	---	---	1,07	up
6120743	7142853	1232883	---	---	---	1,05	up
6120850	7301900	1626742	---	---	---	2,48	down
6120875	7358859	1766964	---	---	---	1,08	down
6120964	7162144	1280513	---	---	---	1,86	up
6120981	7247954	1492399	---	---	---	1,05	down
6121109	7097525	1121032	---	---	---	1,27	up
6121172	7132834	1208326	---	---	---	1,14	up
6121176	7064134	1041454	---	---	---	1,17	down
6121180	7287337	1589972	---	---	---	2,89	down
6121212	7337224	1712611	---	---	---	1,44	down
6121253	7327169	1688462	---	---	---	1,47	down
6121260	7303616	1631347	---	---	---	1,08	up
6121265	7281507	1576717	---	---	---	1,39	down
6121268	7346066	1735287	---	---	---	1,12	up
6121409	7078666	1076507	---	---	---	1,09	down
6121473	7200129	1375994	---	---	---	2,42	up
6121489	7333462	1703644	---	---	---	1,00	up
6121545	7207069	1392024	---	---	---	1,63	down
6121604	7069830	1055646	---	---	---	1,17	up
6121648	7120827	1179350	---	---	---	1,36	down
6121743	7235069	1460978	---	---	---	1,19	down
6121797	7115362	1165605	---	---	---	1,51	down
6121830	7120827	1179345	---	---	---	1,64	down
6121873	7312575	1653359	---	---	---	1,19	down
6121946	7331413	1699134	---	---	---	1,08	down
6121960	7213908	1407759	---	---	---	2,00	up
6122100	7217747	1417510	---	---	---	1,20	down
6122139	7127691	1195635	---	---	---	1,35	up
6122372	7039463	984254	---	---	---	1,31	down
6122441	7115362	1165597	---	---	---	1,08	up
6122443	7078273	1075819	---	---	---	1,29	down
6122509	7385253	1832225	---	---	---	1,33	down
6122525	7258784	1519674	---	---	---	1,56	up
6122619	7342959	1727349	---	---	---	1,43	down
6122620	7032618	967334	---	---	---	1,01	up
6122656	7303616	1631383	---	---	---	1,55	up
6122668	7373634	1805723	---	---	---	1,32	up
6122761	7244290	1484150	---	---	---	1,17	up
6122785	7092549	1109142	---	---	---	1,35	down
6122963	7068942	1053375	---	---	---	1,08	down
6122965	7361223	1772619	---	---	---	1,37	up
6122970	7290793	1598636	---	---	---	1,67	up

6123047	7043535	994083	---	---	---	1,11	down
6123089	7338807	1716830	---	---	---	1,36	up
6123115	7263152	1530365	---	---	---	1,06	up
6123171	7155286	1263908	---	---	---	1,09	down
6123192	7061550	1035290	---	---	---	1,44	up
6123221	7037235	978575	---	---	---	3,25	down
6123241	7316644	1664041	---	---	---	1,06	up
6123253	7210263	1399750	---	---	---	1,55	down
6123305	7228848	1444755	---	---	---	1,39	down
6123382	7359551	1768641	---	---	---	1,02	down
6123406	7052933	1016214	---	---	---	2,59	up
6123425	7226241	1437789	---	---	---	1,44	down
6123483	7258520	1518889	---	---	---	1,02	up
6123802	7099449	1126374	---	---	---	1,31	up
6123843	7068942	1053385	---	---	---	1,14	down
6123862	7240569	1475380	---	---	---	1,05	up
6123957	7281140	1575714	---	---	---	1,05	up
6124172	7248964	1494942	---	---	---	1,16	down
6124237	7305674	1636851	---	---	---	1,47	up
6124244	7067670	1050314	---	---	---	2,20	up
6124264	7320337	1673340	---	---	---	1,15	up
6124317	7373678	1805882	---	---	---	1,10	up
6124441	7249503	1496235	---	---	---	1,11	up
6124484	7217679	1417323	---	---	---	1,22	down
6124564	7240569	1475460	---	---	---	1,13	up
6124753	7213908	1407697	---	---	---	1,15	up
6124777	7132834	1208324	---	---	---	1,21	up
6124819	7349817	1744600	---	---	---	1,64	up
6124864	7319937	1672297	---	---	---	1,32	up
6124884	7131360	1204983	---	---	---	1,09	down
6124895	7361420	1773048	---	---	---	1,35	up
6124961	7268693	1544175	---	---	---	1,54	down
6125147	7062173	1036991	---	---	---	1,32	down
6125191	7336250	1710169	---	---	---	2,29	down
6125274	7059721	1030852	---	---	---	1,25	down
6125431	7361042	1772263	---	---	---	1,29	down
6125472	7295410	1609733	---	---	---	1,00	down
6125584	7236358	1464255	---	---	---	1,47	up
6125594	7291054	1599402	---	---	---	1,36	down
6125674	7108345	1148087	---	---	---	1,24	down
6125679	7330238	1695939	---	---	---	1,06	up
6125715	7181169	1328104	---	---	---	1,02	down
6125798	7231775	1452128	---	---	---	1,18	up
6125803	7198210	1371003	---	---	---	1,45	up
6125818	7279555	1571950	---	---	---	2,15	up
6125892	7211389	1402113	---	---	---	1,07	down
6126001	7059020	1029353	---	---	---	1,15	up
6126194	7061003	1033922	---	---	---	1,13	down
6126270	7112225	1157617	---	---	---	2,04	up
6126280	7254405	1508671	---	---	---	1,34	up
6126550	7255663	1511721	---	---	---	1,47	down
6126728	7073950	1065859	---	---	---	1,27	up
6126729	7033504	969851	---	---	---	1,04	down
6126798	7113483	1161007	---	---	---	1,06	down
6126846	7323545	1679964	---	---	---	1,46	down
6126880	7234040	1458505	---	---	---	1,12	down

6126889	7025652	950335	---	---	---	1,16	down
6126924	7082098	1084118	---	---	---	1,02	down
6127011	7274780	1559244	---	---	---	1,05	down
6127131	7231775	1452124	---	---	---	1,16	up
6127258	7074132	1066323	---	---	---	1,07	up
6127433	7059020	1029334	---	---	---	1,20	down
6127477	7331413	1699133	---	---	---	1,27	up
6127496	7267380	1540386	---	---	---	1,32	up
6127645	7333333	1703398	---	---	---	1,63	up
6127654	7186305	1341004	---	---	---	1,45	down
6127683	7273223	1555883	---	---	---	1,42	up
6127766	7127257	1194807	---	---	---	2,10	up
6127991	7119930	1177201	---	---	---	1,07	up
6128005	7337845	1714355	---	---	---	1,74	down
6128017	7291129	1599592	---	---	---	1,50	up
6128108	7358048	1764794	---	---	---	1,09	down
6128222	7115880	1166818	---	---	---	1,09	up
6128259	7152889	1257356	---	---	---	1,50	down
6128318	7237711	1467468	---	---	---	2,48	down
6128441	7190524	1351187	---	---	---	1,00	down
6128635	7196029	1365634	---	---	---	1,09	down
6128713	7180861	1327222	---	---	---	1,39	down
6128755	7125348	1190098	---	---	---	1,59	up
6128790	7059584	1030546	---	---	---	1,54	down
6128804	7344836	1732409	---	---	---	1,08	up
6128853	7368684	1791857	---	---	---	1,12	up
6128987	7083160	1086540	---	---	---	1,19	down
6129148	7228848	1444755	---	---	---	1,11	up
6129150	7037764	979978	---	---	---	1,04	up
6129239	7095021	1115126	---	---	---	1,47	down
6129249	7025652	950309	---	---	---	1,85	up
6129290	7112566	1158635	---	---	---	1,02	up
6129329	7280743	1574505	---	---	---	1,11	down
6129332	7274780	1559214	---	---	---	1,38	down
6129339	7297589	1615661	---	---	---	1,01	up
6129484	7031774	964736	---	---	---	1,62	down
6129515	7156052	1265770	---	---	---	1,07	down
6129548	7341546	1723955	---	---	---	1,17	down
6129617	7038610	982074	---	---	---	1,09	up
6129780	7033337	969500	---	---	---	1,23	up
6129981	7319937	1672300	---	---	---	1,17	down
6130044	7081731	1083307	---	---	---	1,34	down
6130050	7098366	1123619	---	---	---	1,21	down
6130255	7333152	1702956	---	---	---	1,71	up
6130298	7369938	1795527	---	---	---	1,07	up
6130393	7080731	1080968	---	---	---	1,33	down
6130403	7319937	1672255	---	---	---	2,10	up
6130404	7335091	1707325	---	---	---	1,13	up
6130598	7351951	1749817	---	---	---	1,10	down
6130681	7031576	964108	---	---	---	1,13	up
6130688	7025652	950321	---	---	---	1,09	down
6130712	7316644	1664052	---	---	---	1,05	down
6130816	7068086	1051199	---	---	---	1,08	up
6130904	7294866	1608382	---	---	---	1,59	down
6130993	7265259	1535439	---	---	---	1,68	down
6131015	7261592	1526855	---	---	---	1,40	down

6131087	7139026	1223504	---	---	---	1,15	down
6131124	7297589	1615687	---	---	---	1,03	up
6131259	7068259	1051651	---	---	---	1,32	down
6131280	7036412	976860	---	---	---	1,22	up
6131384	7065655	1045251	---	---	---	1,03	up
6131470	7330396	1696361	---	---	---	1,03	up
6131542	7260613	1524293	---	---	---	1,24	down
6131580	7101643	1131595	---	---	---	2,67	up
6131592	7108345	1148081	---	---	---	1,31	up
6131608	7294264	1606865	---	---	---	1,28	down
6131619	7358048	1764801	---	---	---	1,08	down
6132002	7290288	1597340	---	---	---	1,50	up
6132041	7059375	1030061	---	---	---	1,44	up
6132058	7365183	1781905	---	---	---	1,10	up
6132110	7119930	1177227	---	---	---	1,28	up
6132193	7145669	1239989	---	---	---	3,12	up
6132333	7069830	1055648	---	---	---	1,69	down
6132343	7197056	1367838	---	---	---	1,22	up
6132359	7114108	1162447	---	---	---	1,13	down
6132481	7277719	1567088	---	---	---	1,50	down
6132491	7319937	1672262	---	---	---	1,66	up
6132544	7333333	1703404	---	---	---	2,64	up
6132725	7172373	1305583	---	---	---	1,11	up
6132799	7337902	1714547	---	---	---	2,29	up
6132809	7199476	1374568	---	---	---	1,58	up
6132840	7339110	1717619	---	---	---	1,09	up
6132843	7290161	1597072	---	---	---	1,20	down
6132897	7070455	1057352	---	---	---	1,48	down
6132927	7217679	1417310	---	---	---	2,57	down
6133035	7229886	1447171	---	---	---	1,01	down
6133093	7360486	1771013	---	---	---	1,19	down
6133131	7132024	1206337	---	---	---	1,14	up
6133134	7341253	1723302	---	---	---	1,09	up
6133196	7312903	1654102	---	---	---	1,09	up
6133254	7344836	1732410	---	---	---	1,15	up
6133273	7317088	1665022	---	---	---	1,06	up
6133274	7343122	1727727	---	---	---	1,39	down
6133288	7277719	1567089	---	---	---	1,34	down
6133306	7364346	1780043	---	---	---	1,74	down
6133473	7033616	970207	---	---	---	1,15	up
6133493	7343122	1727723	---	---	---	1,33	up
6133592	7098810	1124656	---	---	---	1,03	up
6133597	7360325	1770490	---	---	---	1,16	down
6133617	7243647	1482455	---	---	---	1,10	up
6133878	7180630	1326455	---	---	---	1,15	down
6133918	7265259	1535440	---	---	---	2,15	up
6134032	7072552	1062126	---	---	---	1,33	up
6134034	7299512	1620557	---	---	---	1,42	up
6134058	7131360	1204987	---	---	---	1,64	down
6134076	7344530	1731568	---	---	---	1,02	down
6134084	7101400	1130896	---	---	---	1,27	up
6134126	7341397	1723650	---	---	---	1,15	up
6134175	7036412	976850	---	---	---	1,28	up
6134203	7095021	1115130	---	---	---	1,62	up
6134214	7371643	1800645	---	---	---	1,25	down
6134262	7323545	1679990	---	---	---	1,75	up

6134326	7369712	1794834	---	---	---	1,95	up
6134490	7059020	1029340	---	---	---	1,12	up
6134567	7112225	1157590	---	---	---	1,40	up
6134568	7162144	1280493	---	---	---	1,54	down
6134686	7148271	1246647	---	---	---	2,14	up
6134776	7230886	1449525	---	---	---	1,07	down
6134878	7286807	1588783	---	---	---	1,41	down
6134882	7149817	1250310	---	---	---	1,29	down
6134902	7268375	1543445	---	---	---	1,60	up
6134920	7342959	1727335	---	---	---	1,08	down
6135006	7058713	1028664	---	---	---	1,01	down
6135087	7243253	1481225	---	---	---	1,14	down
6135155	7319937	1672264	---	---	---	1,00	down
6135251	7331434	1699211	---	---	---	1,00	up
6135350	7095262	1115634	---	---	---	1,08	up
6135358	7259923	1522532	---	---	---	1,05	up
6135471	7093936	1112479	---	---	---	1,51	down
6135477	7098126	1122973	---	---	---	1,18	down
6135495	7338807	1716789	---	---	---	1,18	up
6135554	7279568	1572006	---	---	---	1,15	down
6135666	7315206	1660011	---	---	---	2,28	up
6135782	7060851	1033356	---	---	---	1,17	up
6135815	7112566	1158625	---	---	---	1,10	up
6136208	7112225	1157645	---	---	---	1,15	down
6136303	7209927	1398923	---	---	---	1,06	down
6136330	7168858	1296844	---	---	---	1,03	down
6136384	7179914	1324718	---	---	---	1,08	down
6136428	7210387	1400042	---	---	---	1,24	down
6136440	7065265	1044573	---	---	---	1,06	up
6136451	7166439	1290099	---	---	---	4,32	up
6136556	7211389	1402112	---	---	---	1,07	up
6136561	7333462	1703640	---	---	---	1,24	down
6136603	7031774	964723	---	---	---	1,08	down
6136626	7287222	1589726	---	---	---	1,12	down
6136695	7316452	1663565	---	---	---	1,15	up
6136743	7243647	1482483	---	---	---	1,02	down
6136776	7231589	1451696	---	---	---	1,11	down
6136829	7112566	1158630	---	---	---	1,31	up
6136858	7327169	1688466	---	---	---	1,14	down
6136863	7127540	1195276	---	---	---	1,05	down
6136930	7352044	1750006	---	---	---	1,20	up
6136991	7210600	1400519	---	---	---	1,02	down
6137035	7245921	1487689	---	---	---	1,52	down
6137129	7297589	1615662	---	---	---	1,04	down
6137188	7031774	964706	---	---	---	1,63	up
6137268	7086044	1092909	---	---	---	2,41	down
6137279	7344406	1731203	---	---	---	1,25	up
6137290	7286807	1588815	---	---	---	1,30	down
6137398	7234407	1459364	---	---	---	2,11	up
6137402	7258520	1518876	---	---	---	1,43	down
6137433	7215394	1411254	---	---	---	1,02	up
6137483	7360325	1770490	---	---	---	1,33	up
6137574	7072765	1062743	---	---	---	1,20	up
6137620	7243603	1482279	---	---	---	1,19	up
6137632	7350993	1747503	---	---	---	1,45	up
6137725	7258670	1519357	---	---	---	1,21	down

6137762	7068259	1051597	---	---	---	1,34	up
6137773	7180243	1325502	---	---	---	1,15	down
6137828	7249737	1496747	---	---	---	1,22	up
6137920	7111427	1155764	---	---	---	1,36	down
6138146	7299512	1620553	---	---	---	1,04	up
6138194	7038530	981884	---	---	---	1,12	up
6138228	7376820	1813392	---	---	---	1,01	up
6138249	7211389	1402114	---	---	---	1,31	up
6138264	7362184	1774820	---	---	---	1,17	up
6138353	7162144	1280495	---	---	---	1,11	up
6138505	7190534	1351226	---	---	---	1,02	up
6138565	7277719	1567080	---	---	---	1,03	up
6138651	7025681	950466	---	---	---	1,10	up
6138734	7364346	1779965	---	---	---	1,03	down
6138752	7239752	1473185	---	---	---	1,12	up
6138820	7339379	1718337	---	---	---	1,05	up
6138887	7087965	1098026	---	---	---	1,46	up
6138896	7033337	969494	---	---	---	1,32	up
6138914	7129848	1200870	---	---	---	1,07	down
6139063	7340304	1720851	---	---	---	1,23	down
6139244	7162144	1280510	---	---	---	1,05	down
6139518	7311218	1650339	---	---	---	2,10	up
6139624	7068259	1051611	---	---	---	2,27	down
6139669	7359551	1768639	---	---	---	1,05	down
6139718	7357103	1762391	---	---	---	1,02	up
6139806	7297589	1615600	---	---	---	1,34	up
6139874	7236254	1464063	---	---	---	1,18	down
6139914	7172988	1307315	---	---	---	1,21	up
6139946	7078666	1076526	---	---	---	1,17	down
6139995	7210713	1400753	---	---	---	1,47	up
6139998	7323545	1679946	---	---	---	1,04	up
6140167	7360325	1770559	---	---	---	1,06	down
6140188	7294151	1606609	---	---	---	1,13	down
6140202	7113483	1161018	---	---	---	1,25	down
6140241	7380497	1821865	---	---	---	1,01	up
6140280	7276231	1563106	---	---	---	1,15	down
6140295	7068259	1051630	---	---	---	1,68	up
6140329	7067670	1050303	---	---	---	1,77	up
6140396	7373906	1806373	---	---	---	1,02	up
6140451	7033337	969483	---	---	---	1,33	down
6140581	7255120	1510371	---	---	---	1,26	up
6140587	7225553	1435984	---	---	---	1,23	up
6140614	7070616	1057796	---	---	---	1,11	down
6140647	7303616	1631350	---	---	---	1,03	down
6140658	7264808	1534469	---	---	---	1,14	down
6140774	7131360	1204988	---	---	---	1,11	up
6140942	7350237	1745494	---	---	---	1,04	down
6140976	7378997	1818677	---	---	---	1,14	up
6140977	7031774	964778	---	---	---	1,71	down
6140995	7307721	1641998	---	---	---	1,06	up
6141012	7358859	1767016	---	---	---	1,00	down
6141027	7240569	1475508	---	---	---	1,01	up
6141109	7088164	1098474	---	---	---	1,67	down
6141169	7217747	1417502	---	---	---	1,13	down
6141174	7115708	1166472	---	---	---	1,12	down
6141241	7256191	1512880	---	---	---	1,11	down

6141329	7380497	1821857	---	---	---	1,00	up
6141362	7266532	1538296	---	---	---	1,10	down
6141383	7331297	1698810	---	---	---	1,22	down
6141388	7243647	1482467	---	---	---	1,07	up
6141433	7231958	1452576	---	---	---	1,60	up
6141576	7060851	1033437	---	---	---	1,18	down
6141761	7073950	1065922	---	---	---	1,06	down
6141817	7097525	1121057	---	---	---	1,26	up
6141849	7193513	1359467	---	---	---	1,22	up
6141887	7258520	1518881	---	---	---	1,22	down
6141982	7056333	1023681	---	---	---	1,11	down
6142191	7380497	1821832	---	---	---	1,01	up
6142248	7052813	1015907	---	---	---	1,12	up
6142313	7336250	1710172	---	---	---	1,51	down
6142372	7167883	1294108	---	---	---	1,07	down
6142425	7143240	1234179	---	---	---	1,13	up
6142469	7245921	1487691	---	---	---	2,66	down
6142565	7238115	1468559	---	---	---	1,10	up
6142569	7067670	1050320	---	---	---	1,66	up
6142580	7231203	1450421	---	---	---	1,15	down
6142617	7029770	960147	---	---	---	1,20	down
6142637	7339387	1718382	---	---	---	1,52	up
6142683	7054958	1020581	---	---	---	2,95	down
6142832	7301895	1626716	---	---	---	1,47	down
6142849	7314270	1657742	---	---	---	1,24	up
6142916	7099517	1126486	---	---	---	1,04	down
6142980	7229886	1447166	---	---	---	1,01	down
6142987	7217269	1415914	---	---	---	1,26	up
6143065	7362184	1774845	---	---	---	1,08	up
6143092	7199476	1374546	---	---	---	1,11	down
6143286	7127691	1195629	---	---	---	1,14	up
6143445	7062436	1037701	---	---	---	1,98	down
6143522	7358859	1766960	---	---	---	1,42	down
6143569	7340990	1722504	---	---	---	1,13	up
6143584	7213908	1407673	---	---	---	1,00	up
6143640	7097680	1121739	---	---	---	1,05	up
6143642	7322388	1677328	---	---	---	1,34	down
6143814	7180721	1326701	---	---	---	1,11	down
6143847	7040260	986064	---	---	---	1,38	up
6143937	7115708	1166475	---	---	---	1,05	down
6143943	7073673	1065088	---	---	---	1,34	up
6143997	7193644	1359708	---	---	---	1,34	up
6144080	7198210	1371005	---	---	---	1,04	up
6144081	7198644	1372295	---	---	---	1,09	down
6144100	7384904	1831594	---	---	---	1,02	down
6144310	7243647	1482453	---	---	---	1,58	up
6144358	7049399	1008341	---	---	---	1,37	down
6144424	7167876	1294049	---	---	---	1,13	up
6144622	7034293	971976	---	---	---	1,10	down
6144771	7139026	1223490	---	---	---	1,14	down
6144779	7346066	1735324	---	---	---	1,03	down
6144846	7174149	1310515	---	---	---	1,27	down
6144952	7263152	1530387	---	---	---	1,08	up
6144984	7369031	1793013	---	---	---	1,14	down
6144995	7297589	1615666	---	---	---	1,46	down
6145244	7274892	1559579	---	---	---	1,37	down

6145344	7186464	1341356	---	---	---	1,06	down
6145368	7338807	1716799	---	---	---	1,26	down
6145506	7376820	1813453	---	---	---	1,37	up
6145544	7108551	1148695	---	---	---	1,31	down
6145632	7094139	1112907	---	---	---	1,03	down
6145764	7097454	1120885	---	---	---	1,28	down
6145814	7286807	1588802	---	---	---	1,19	down
6145960	7098810	1124657	---	---	---	1,10	down
6145979	7071969	1060903	---	---	---	1,50	down
6146085	7143455	1234730	---	---	---	1,38	up
6146086	7068259	1051633	---	---	---	1,32	down
6146168	7313411	1655432	---	---	---	1,11	up
6146172	7231152	1450263	---	---	---	2,01	up
6146178	7156052	1265753	---	---	---	1,37	down
6146187	7293757	1605686	---	---	---	1,36	down
6146323	7149817	1250316	---	---	---	1,00	up
6146349	7168858	1296821	---	---	---	1,04	up
6146426	7337845	1714347	---	---	---	1,65	down
6146431	7289382	1595211	---	---	---	1,19	down
6146443	7240569	1475314	---	---	---	1,05	up
6146466	7274780	1559210	---	---	---	1,62	down
6146483	7062436	1037671	---	---	---	1,28	down
6146601	7370475	1797133	---	---	---	4,03	down
6146605	7182056	1330579	---	---	---	1,01	down
6146679	7116614	1168796	---	---	---	1,56	up
6146779	7120235	1177953	---	---	---	1,06	up
6146816	7034756	973234	---	---	---	1,31	down
6146818	7169732	1298701	---	---	---	1,07	up
6146976	7337224	1712618	---	---	---	1,11	up
6146997	7336931	1711861	---	---	---	1,47	up
6147374	7370412	1796836	---	---	---	1,30	up
6147429	7210263	1399744	---	---	---	1,39	up
6147459	7156052	1265755	---	---	---	1,28	down
6147604	7341646	1724194	---	---	---	1,05	down
6147623	7050557	1010791	---	---	---	1,05	up
6147643	7186464	1341367	---	---	---	1,14	up
6147645	7092549	1109170	---	---	---	1,03	up
6147702	7149817	1250317	---	---	---	2,02	down
6147868	7040260	986039	---	---	---	1,09	down
6147872	7027759	956130	---	---	---	1,78	up
6147923	7374842	1808999	---	---	---	1,23	up
6147989	7042382	991293	---	---	---	1,03	up
6148208	7360486	1770978	---	---	---	1,29	up
6148226	7064134	1041447	---	---	---	1,24	down
6148238	7119930	1177225	---	---	---	1,23	down
6148257	7041609	989586	---	---	---	1,07	down
6148395	7031576	964108	---	---	---	1,26	up
6148399	7243653	1482521	---	---	---	1,35	up
6148402	7263652	1531627	---	---	---	1,00	down
6148407	7092965	1110171	---	---	---	1,07	up
6148777	7072765	1062736	---	---	---	1,03	up
6148894	7132125	1206630	---	---	---	1,15	up
6148917	7248964	1494948	---	---	---	2,01	down
6148934	7102976	1135051	---	---	---	1,10	down
6149037	7108345	1148085	---	---	---	1,30	up
6149187	7294151	1606618	---	---	---	1,14	down

6149229	7319259	1670394	---	---	---	1,35	up
6149287	7211389	1402118	---	---	---	1,48	up
6149459	7118356	1173130	---	---	---	1,35	down
6149488	7072754	1062663	---	---	---	1,10	down
6149545	7264085	1532720	---	---	---	1,06	up
6149868	7191983	1355153	---	---	---	1,38	up
6150002	7368004	1789333	---	---	---	1,80	down
6150065	7258520	1518887	---	---	---	1,05	down
6150297	7108345	1148071	---	---	---	1,11	up
6150377	7069830	1055592	---	---	---	1,08	up
6150378	7083031	1086290	---	---	---	1,07	down
6150505	7099156	1125633	---	---	---	1,64	down
6150564	7311218	1650337	---	---	---	1,03	down
6150584	7211363	1402047	---	---	---	1,07	down
6150631	7060195	1031960	---	---	---	1,27	down
6150713	7247228	1490530	---	---	---	1,13	up
6150811	7086966	1095287	---	---	---	2,22	up
6150827	7319144	1670100	---	---	---	1,15	up
6150847	7182056	1330579	---	---	---	1,05	down
6150883	7188681	1346294	---	---	---	1,17	down
6150885	7144389	1236778	---	---	---	1,15	up
6150896	7350237	1745493	---	---	---	1,09	up
6150898	7081667	1083099	---	---	---	1,04	up
6150908	7217650	1417171	---	---	---	1,33	up
6150930	7287222	1589731	---	---	---	1,50	down
6151097	7248790	1494508	---	---	---	1,04	down
6151263	7280743	1574556	---	---	---	1,05	up
6151323	7218728	1419927	---	---	---	1,27	up
6151370	7181169	1328103	---	---	---	1,10	up
6151376	7319937	1672267	---	---	---	1,42	up
6151422	7060851	1033409	---	---	---	1,06	up
6151521	7247229	1490550	---	---	---	1,03	down
6151596	7145669	1240009	---	---	---	1,05	up
6151599	7115708	1166476	---	---	---	1,27	down
6151663	7237992	1468288	---	---	---	1,40	up
6151669	7071681	1060284	---	---	---	1,16	up
6151714	7336931	1711870	---	---	---	1,04	down
6151766	7086044	1092936	---	---	---	1,58	down
6151776	7190844	1352139	---	---	---	1,06	up
6151870	7248964	1494946	---	---	---	1,13	up
6151956	7349946	1744948	---	---	---	1,12	up
6152188	7365183	1781918	---	---	---	2,04	down
6152212	7370446	1797009	---	---	---	1,28	down
6152315	7380019	1820809	---	---	---	1,17	down
6152362	7112225	1157589	---	---	---	1,02	up
6152425	7255120	1510375	---	---	---	1,20	up
6152441	7167507	1293116	---	---	---	1,45	up
6152658	7034756	973229	---	---	---	1,11	down
6152761	7049399	1008382	---	---	---	1,17	down
6152775	7154655	1262334	---	---	---	1,36	up
6152867	7340990	1722503	---	---	---	1,22	up
6152899	7331413	1699139	---	---	---	1,14	down
6153365	7133612	1210199	---	---	---	1,04	down
6153689	7189184	1347604	---	---	---	1,16	down
6153994	7078273	1075822	---	---	---	1,40	up
6154264	7216676	1414429	---	---	---	2,32	down

6154341	7356115	1760135	---	---	---	1,46	down
6154350	7279568	1572011	---	---	---	1,10	down
6154417	7188822	1346632	---	---	---	1,02	up
6154484	7338807	1716791	---	---	---	1,42	up
6154515	7337224	1712622	---	---	---	1,03	down
6154598	7364346	1780043	---	---	---	1,23	down
6154765	7359551	1768623	---	---	---	1,53	up
6154789	7233440	1456841	---	---	---	1,07	down
6154895	7258670	1519356	---	---	---	1,40	down
6154901	7123421	1185842	---	---	---	1,28	up
6154957	7162144	1280517	---	---	---	1,85	up
6155051	7112566	1158635	---	---	---	1,10	down
6155055	7031618	964199	---	---	---	1,13	down
6155083	7314270	1657741	---	---	---	1,54	down
6155148	7330238	1695954	---	---	---	1,65	up
6155169	7088164	1098492	---	---	---	2,14	up
6155185	7232340	1453518	---	---	---	1,05	down
6155310	7112225	1157606	---	---	---	1,09	down
6155396	7117526	1171034	---	---	---	1,05	down
6155437	7112225	1157558	---	---	---	1,10	down
6155447	7232340	1453524	---	---	---	1,04	down
6155501	7033337	969501	---	---	---	1,42	down
6155790	7323545	1679952	---	---	---	1,48	down
6155819	7050726	1011251	---	---	---	1,25	up
6155823	7180861	1327214	---	---	---	1,02	down
6155840	7373633	1805705	---	---	---	1,11	down
6155889	7032444	966752	---	---	---	1,02	up
6155915	7202550	1381608	---	---	---	1,12	up
6155982	7107066	1144773	---	---	---	1,18	up
6156006	7209927	1398924	---	---	---	1,55	up
6156086	7303616	1631320	---	---	---	1,34	up
6156183	7203872	1384787	---	---	---	1,01	up
6156370	7312250	1652642	---	---	---	1,82	down
6156412	7067089	1048925	---	---	---	1,31	up
6156431	7303616	1631333	---	---	---	1,35	down
6156462	7225553	1435981	---	---	---	1,02	down
6156523	7236395	1464324	---	---	---	1,07	down
6156528	7060851	1033357	---	---	---	1,03	up
6156538	7147416	1244434	---	---	---	1,13	down
6156624	7249503	1496205	---	---	---	1,07	down
6156741	7162177	1280576	---	---	---	1,31	up
6156751	7108974	1149800	---	---	---	1,16	down
6156758	7316644	1664051	---	---	---	1,10	up
6156765	7243130	1480872	---	---	---	1,10	down
6156777	7065266	1044589	---	---	---	1,50	down
6156799	7180861	1327211	---	---	---	1,72	down
6156882	7032204	966175	---	---	---	1,37	up
6156894	7068259	1051621	---	---	---	1,19	down
6156914	7155286	1263839	---	---	---	1,92	up
6156938	7111573	1156015	---	---	---	1,04	up
6156966	7228530	1443902	---	---	---	1,19	up
6157008	7261019	1525281	---	---	---	1,85	down
6157034	7294151	1606605	---	---	---	1,01	up
6157039	7303616	1631395	---	---	---	2,33	down
6157189	7088489	1099523	---	---	---	1,02	down
6157205	7131119	1204442	---	---	---	1,99	down

6157360	7244378	1484399	---	---	---	1,08	down
6157374	7053874	1018327	---	---	---	1,02	up
6157430	7319937	1672293	---	---	---	1,24	down
6157549	7287222	1589714	---	---	---	1,85	down
6157598	7367971	1789121	---	---	---	1,16	up
6157613	7339110	1717604	---	---	---	1,03	up
6157663	7032083	965682	---	---	---	1,15	down
6157752	7072225	1061405	---	---	---	1,09	up
6157793	7361420	1773049	---	---	---	1,16	down
6157900	7344702	1732142	---	---	---	1,75	up
6157937	7330737	1697215	---	---	---	1,34	up
6157945	7358623	1766242	---	---	---	1,01	up
6158042	7279586	1572077	---	---	---	1,15	up
6158159	7307485	1641331	---	---	---	2,06	down
6158193	7041609	989553	---	---	---	1,25	down
6158273	7210263	1399766	---	---	---	1,12	up
6158360	7342356	1725875	---	---	---	1,58	down
6158392	7276231	1563115	---	---	---	1,12	down
6158520	7349817	1744588	---	---	---	1,33	down
6158640	7349817	1744596	---	---	---	1,03	down
6158716	7231775	1452126	---	---	---	1,01	down
6158740	7329558	1694420	---	---	---	1,07	up
6158767	7029770	960152	---	---	---	1,02	down
6158888	7069253	1054160	---	---	---	1,40	down
6158905	7115362	1165599	---	---	---	1,07	up
6158910	7316644	1664050	---	---	---	1,34	up
6158917	7229886	1447144	---	---	---	1,12	down
6159054	7244288	1484097	---	---	---	1,09	up
6159060	7097525	1121064	---	---	---	1,42	up
6159102	7249503	1496210	---	---	---	1,15	down
6159104	7367971	1789131	---	---	---	1,19	up
6159171	7285061	1585156	---	---	---	1,40	down
6159295	7098867	1124961	---	---	---	1,22	down
6159499	7226241	1437770	---	---	---	1,04	down
6159514	7292517	1602555	---	---	---	1,18	up
6159614	7316644	1664038	---	---	---	1,18	down
6159649	7253408	1505943	---	---	---	1,19	up
6159757	7247976	1492461	---	---	---	1,15	down
6159796	7059766	1030972	---	---	---	1,24	up
6159813	7038316	981456	---	---	---	1,00	down
6159918	7207069	1392033	---	---	---	1,02	up
6160022	7330078	1695471	---	---	---	1,11	down
6160163	7358859	1766982	---	---	---	1,12	down
6160168	7025652	950296	---	---	---	1,40	up
6160200	7076236	1071238	---	---	---	1,04	up
6160296	7198210	1370974	---	---	---	1,04	up
6160325	7322388	1677318	---	---	---	1,04	down
6160387	7312942	1654174	---	---	---	1,15	down
6160426	7225553	1435984	---	---	---	1,14	down
6160478	7108300	1147916	---	---	---	1,02	down
6160510	7099030	1125340	---	---	---	1,19	down
6160559	7193644	1359716	---	---	---	1,53	up
6160574	7064134	1041466	---	---	---	1,16	down
6160595	7378981	1818552	---	---	---	1,20	down
6160667	7070616	1057781	---	---	---	1,35	down
6160732	7095956	1117045	---	---	---	1,03	up

6160777	7280743	1574527	---	---	---	1,14	up
6160780	7258520	1518874	---	---	---	1,41	down
6160821	7337224	1712622	---	---	---	1,03	up
6160916	7331719	1699916	---	---	---	1,18	up
6161127	7148978	1248459	---	---	---	1,00	up
6161142	7071714	1060350	---	---	---	1,36	down
6161189	7363674	1778407	---	---	---	1,72	down
6161216	7242490	1479428	---	---	---	1,11	down
6161328	7276231	1563112	---	---	---	1,39	up
6161377	7168914	1297031	---	---	---	1,03	up
6161428	7067670	1050315	---	---	---	1,46	up
6161477	7331434	1699211	---	---	---	1,02	up
6161506	7369400	1793984	---	---	---	1,37	down
6161573	7142416	1231814	---	---	---	2,19	up
6161584	7143455	1234737	---	---	---	1,23	down
6161585	7234696	1460025	---	---	---	1,06	up
6161640	7070616	1057773	---	---	---	1,16	down
6161862	7079600	1078635	---	---	---	1,02	down
6162230	7340757	1721879	---	---	---	1,02	down
6162319	7263152	1530361	---	---	---	1,61	up
6162326	7186443	1341267	---	---	---	1,18	down
6162465	7258545	1518929	---	---	---	1,42	up
6162488	7199476	1374541	---	---	---	1,03	up
6162531	7083030	1086269	---	---	---	1,02	up
6162597	7197056	1367844	---	---	---	1,50	up
6162630	7067828	1050785	---	---	---	1,02	up
6162767	7376566	1812881	---	---	---	1,15	up
6162858	7235521	1462157	---	---	---	1,03	down
6162884	7100257	1128232	---	---	---	1,68	up
6162998	7111573	1156018	---	---	---	1,05	up
6163033	7225213	1435122	---	---	---	1,04	up
6163059	7230886	1449533	---	---	---	1,12	down
6163066	7319937	1672281	---	---	---	1,01	down
6163206	7142081	1230984	---	---	---	1,04	up
6163288	7131360	1204990	---	---	---	1,14	down
6163465	7034293	971865	---	---	---	1,13	down
6163535	7055876	1022458	---	---	---	1,40	down
6163576	7056333	1023680	---	---	---	1,20	down
6163649	7030454	961552	---	---	---	1,16	down
6163844	7263248	1530615	---	---	---	1,57	down
6163887	7339379	1718357	---	---	---	1,04	up
6163901	7113083	1159979	---	---	---	1,23	up
6163938	7263152	1530378	---	---	---	1,14	down
6164040	7279303	1571206	---	---	---	1,49	down
6164197	7182056	1330579	---	---	---	1,10	up
6164257	7098411	1123703	---	---	---	1,63	up
6164519	7038969	982980	---	---	---	1,22	down
6164544	7033504	969860	---	---	---	1,10	up
6164577	7214605	1409351	---	---	---	1,18	up
6164676	7257361	1516097	---	---	---	1,03	down
6164685	7058813	1028892	---	---	---	1,29	down
6164699	7216132	1413399	---	---	---	1,09	up
6164740	7344530	1731559	---	---	---	1,08	up
6164809	7122486	1183425	---	---	---	1,40	up
6164848	7208330	1395091	---	---	---	1,12	down
6164881	7281507	1576715	---	---	---	1,73	down

6164926	7273251	1555953	---	---	---	1,30	down
6165047	7190844	1352145	---	---	---	1,15	down
6165062	7180861	1327185	---	---	---	1,04	down
6165122	7036412	976870	---	---	---	1,23	down
6165153	7233359	1456507	---	---	---	1,00	up
6165160	7073928	1065780	---	---	---	1,64	up
6165183	7320234	1673006	---	---	---	1,50	up
6165192	7344406	1731225	---	---	---	1,50	down
6165197	7037764	980063	---	---	---	1,01	up
6165207	7240569	1475381	---	---	---	1,00	up
6165276	7330238	1695947	---	---	---	1,06	down
6165502	7162144	1280499	---	---	---	1,02	up
6165542	7069142	1053878	---	---	---	1,09	up
6165565	7098451	1123818	---	---	---	1,14	up
6165577	7143455	1234720	---	---	---	1,20	up
6165613	7070869	1058491	---	---	---	1,05	up
6165641	7339110	1717617	---	---	---	1,02	up
6165668	7264797	1534422	---	---	---	1,11	down
6165696	7097485	1120939	---	---	---	1,28	up
6165915	7364346	1780014	---	---	---	1,17	up
6165949	7213945	1407833	---	---	---	1,11	up
6165968	7244378	1484409	---	---	---	1,42	down
6166326	7174149	1310485	---	---	---	1,30	down
6166444	7198210	1371008	---	---	---	1,43	down
6166518	7092549	1109152	---	---	---	1,03	down
6166557	7143904	1235816	---	---	---	1,03	up
6166801	7337224	1712603	---	---	---	1,93	down
6166848	7367946	1788962	---	---	---	1,34	down
6166887	7112225	1157545	---	---	---	1,17	down
6166943	7258784	1519673	---	---	---	1,95	up
6166999	7061550	1035280	---	---	---	1,12	down
6167051	7231835	1452287	---	---	---	1,42	down
6167162	7217679	1417293	---	---	---	1,25	up
6167187	7253453	1506152	---	---	---	1,18	down
6167207	7243253	1481226	---	---	---	1,56	up
6167329	7330396	1696377	---	---	---	1,13	down
6167385	7050655	1011011	---	---	---	1,60	down
6167426	7065265	1044571	---	---	---	1,10	down
6167490	7300446	1622879	---	---	---	1,45	up
6167507	7293234	1604337	---	---	---	1,01	up
6167623	7041609	989591	---	---	---	1,17	down
6167696	7069253	1054149	---	---	---	1,48	down
6167711	7245066	1485573	---	---	---	1,06	up
6167840	7031774	964724	---	---	---	1,00	up
6167896	7119179	1174972	---	---	---	1,24	up
6167910	7043535	994086	---	---	---	1,12	down
6168004	7281507	1576716	---	---	---	1,49	down
6168010	7272110	1553083	---	---	---	1,24	down
6168086	7263248	1530612	---	---	---	1,46	up
6168099	7319937	1672273	---	---	---	1,08	down
6168202	7258670	1519345	---	---	---	1,53	up
6168203	7379957	1820631	---	---	---	1,79	up
6168230	7356115	1760115	---	---	---	1,15	down
6168243	7240569	1475472	---	---	---	1,01	up
6168249	7294866	1608426	---	---	---	1,13	up
6168300	7368729	1792045	---	---	---	1,11	up

6168318	7243647	1482469	---	---	---	1,11	down
6168340	7172373	1305589	---	---	---	1,34	up
6168540	7307721	1642011	---	---	---	1,15	down
6168567	7202550	1381607	---	---	---	1,34	down
6168605	7071714	1060351	---	---	---	1,13	down
6168618	7331719	1699917	---	---	---	1,19	up
6168662	7070616	1057783	---	---	---	1,08	down
6168737	7331297	1698810	---	---	---	1,04	down
6168859	7243603	1482275	---	---	---	1,01	up
6168971	7180861	1327219	---	---	---	1,02	up
6168981	7189184	1347598	---	---	---	1,34	down
6169152	7273251	1555958	---	---	---	1,21	down
6169155	7065655	1045266	---	---	---	1,07	down
6169211	7064732	1042930	---	---	---	1,16	up
6169424	7243653	1482529	---	---	---	1,02	up
6169444	7373906	1806354	---	---	---	1,15	up
6169464	7260613	1524270	---	---	---	1,38	down
6169492	7225317	1435354	---	---	---	1,52	down
6169506	7062529	1037852	---	---	---	1,13	down
6169542	7059020	1029350	---	---	---	2,27	up
6169543	7373633	1805712	---	---	---	1,28	up
6169554	7027797	956284	---	---	---	1,19	up
6169562	7059766	1030973	---	---	---	1,07	down
6169588	7108062	1147192	---	---	---	1,84	up
6169639	7357815	1764131	---	---	---	1,07	up
6169715	7224035	1432400	---	---	---	1,16	down
6169927	7147809	1245469	---	---	---	1,05	up
6170074	7213908	1407670	---	---	---	1,20	down
6170230	7299512	1620545	---	---	---	1,06	up
6170251	7231203	1450404	---	---	---	1,21	up
6170289	7065823	1045709	---	---	---	2,84	up
6170311	7047524	1004665	---	---	---	1,53	up
6170427	7217650	1417171	---	---	---	1,60	up
6170441	7263401	1530989	---	---	---	1,10	up
6170876	7193056	1358274	---	---	---	1,08	down
6170881	7052813	1015929	---	---	---	1,13	down
6170894	7299512	1620547	---	---	---	1,41	down
6170914	7322260	1677072	---	---	---	1,15	down
6170920	7064468	1042373	---	---	---	1,17	down
6170987	7380497	1821842	---	---	---	1,99	up
6171067	7180243	1325516	---	---	---	1,01	up
6171070	7097680	1121732	---	---	---	1,15	up
6171096	7087965	1098051	---	---	---	1,17	up
6171134	7183182	1333568	---	---	---	1,55	down
6171181	7126658	1193164	---	---	---	1,53	up
6171250	7307424	1641137	---	---	---	2,54	down
6171291	7341989	1725052	---	---	---	1,00	down
6171321	7051009	1011775	---	---	---	1,34	down
6171451	7039223	983560	---	---	---	1,20	up
6171502	7096859	1119301	---	---	---	1,09	up
6171580	7186440	1341256	---	---	---	1,00	up
6171698	7380497	1821874	---	---	---	2,08	down
6171738	7196029	1365624	---	---	---	1,05	down
6171790	7093936	1112480	---	---	---	1,04	down
6171962	7071969	1060904	---	---	---	2,10	down
6171984	7222221	1428087	---	---	---	1,19	down

6172015	7275927	1562409	---	---	---	1,05	up
6172029	7330623	1696959	---	---	---	1,01	down
6172076	7028624	958003	---	---	---	1,02	down
6172184	7344702	1732143	---	---	---	1,41	down
6172203	7360486	1770935	---	---	---	1,14	down
6172247	7076236	1071190	---	---	---	1,11	down
6172257	7096924	1119623	---	---	---	1,40	down
6172347	7092549	1109118	---	---	---	1,59	up
6172440	7340757	1721903	---	---	---	1,13	up
6172448	7336250	1710170	---	---	---	1,04	down
6172517	7248004	1492571	---	---	---	1,15	up
6172519	7172373	1305576	---	---	---	1,04	up
6172557	7181193	1328305	---	---	---	1,31	down
6172561	7148978	1248538	---	---	---	1,12	up
6172591	7100257	1128282	---	---	---	1,08	up
6172757	7207069	1392015	---	---	---	1,26	up
6172785	7248964	1494938	---	---	---	1,76	down
6172839	7097680	1121729	---	---	---	1,13	up
6172951	7067614	1050200	---	---	---	1,12	up
6172973	7156061	1265834	---	---	---	1,12	up
6172976	7376566	1812848	---	---	---	1,06	down
6172985	7188685	1346306	---	---	---	2,34	up
6172987	7037764	980100	---	---	---	1,48	down
6173069	7344702	1732140	---	---	---	1,13	down
6173144	7032444	966740	---	---	---	1,05	up
6173169	7034293	971945	---	---	---	1,71	up
6173172	7028624	957998	---	---	---	1,07	up
6173188	7168403	1295585	---	---	---	1,13	down
6173242	7340057	1720327	---	---	---	1,18	up
6173263	7273220	1555863	---	---	---	1,08	up
6173372	7176177	1315142	---	---	---	1,01	up
6173415	7142081	1230973	---	---	---	1,22	down
6173530	7243647	1482485	---	---	---	1,50	up
6173663	7111361	1155593	---	---	---	1,47	down
6173777	7373678	1805858	---	---	---	1,03	down
6173847	7102976	1135044	---	---	---	1,07	down
6173883	7071969	1060899	---	---	---	1,22	up
6173926	7132125	1206614	---	---	---	1,55	down
6174000	7056333	1023698	---	---	---	1,72	down
6174006	7289382	1595193	---	---	---	1,21	up
6174163	7365183	1781900	---	---	---	1,07	down
6174202	7248790	1494494	---	---	---	1,22	up
6174282	7039223	983565	---	---	---	1,44	down
6174363	7261019	1525279	---	---	---	1,62	down
6174594	7222221	1428085	---	---	---	1,10	up
6174686	7333462	1703640	---	---	---	1,02	down
6174710	7238202	1468947	---	---	---	1,33	up
6174742	7127540	1195283	---	---	---	1,07	up
6174826	7155116	1263436	---	---	---	1,60	up
6174889	7052813	1015939	---	---	---	1,04	up
6174918	7175368	1313287	---	---	---	1,03	down
6175145	7072765	1062734	---	---	---	1,06	up
6175191	7326612	1687204	---	---	---	1,20	up
6175194	7243130	1480892	---	---	---	1,22	up
6175286	7069464	1054669	---	---	---	2,67	up
6175323	7321029	1674812	---	---	---	1,77	down

6175383	7200129	1375995	---	---	---	1,64	up
6175426	7112225	1157570	---	---	---	1,17	up
6175429	7329135	1693499	---	---	---	1,18	down
6175437	7240569	1475464	---	---	---	1,16	down
6175458	7372840	1803754	---	---	---	1,37	down
6175492	7190524	1351184	---	---	---	1,09	down
6175519	7205216	1387721	---	---	---	1,32	up
6175546	7040260	986067	---	---	---	1,10	up
6175598	7064224	1041780	---	---	---	1,17	down
6175609	7067670	1050301	---	---	---	1,38	up
6175641	7181590	1329430	---	---	---	1,43	up
6175653	7234195	1458970	---	---	---	1,11	up
6175738	7098126	1122982	---	---	---	1,31	down
6175763	7104920	1140071	---	---	---	1,07	down
6175900	7161300	1278549	---	---	---	1,73	up
6175910	7072552	1062133	---	---	---	1,41	down
6176048	7194017	1360791	---	---	---	1,52	up
6176265	7228530	1443789	---	---	---	1,17	up
6176452	7384073	1829465	---	---	---	1,15	up
6176476	7112672	1158977	---	---	---	1,48	up
6176499	7143455	1234737	---	---	---	1,08	up
6176583	7093806	1112152	---	---	---	2,76	down
6176623	7114108	1162449	---	---	---	1,02	up
6176626	7067828	1050799	---	---	---	1,04	down
6176656	7058713	1028659	---	---	---	1,13	down
6176715	7286807	1588843	---	---	---	1,31	up
6176720	7027797	956311	---	---	---	1,52	down
6176730	7235521	1462143	---	---	---	1,19	up
6176732	7071264	1059362	---	---	---	1,22	down
6176811	7093158	1110518	---	---	---	1,12	down
6176866	7074132	1066318	---	---	---	1,34	down
6176897	7324337	1682063	---	---	---	1,24	down
6176932	7065265	1044574	---	---	---	1,31	up
6177024	7232340	1453518	---	---	---	1,06	down
6177105	7156978	1268179	---	---	---	1,16	up
6177184	7036412	976862	---	---	---	1,07	down
6177269	7195903	1365340	---	---	---	1,05	down
6177278	7333100	1702838	---	---	---	1,06	up
6177322	7248790	1494486	---	---	---	1,02	down
6177352	7154655	1262315	---	---	---	1,15	up
6177370	7059766	1030976	---	---	---	1,08	up
6177619	7033504	969867	---	---	---	1,06	up
6177655	7098867	1124935	---	---	---	1,27	down
6177742	7115362	1165601	---	---	---	1,42	down
6177780	7170832	1301797	---	---	---	1,83	up
6177915	7275103	1560184	---	---	---	1,24	down
6177920	7083160	1086533	---	---	---	1,52	down
6178061	7344530	1731559	---	---	---	1,18	down
6178285	7243628	1482364	---	---	---	1,04	down
6178287	7316644	1664025	---	---	---	1,17	down
6178384	7231775	1452131	---	---	---	1,02	up
6178435	7333487	1703677	---	---	---	1,50	up
6178439	7108345	1148071	---	---	---	1,18	down
6178561	7344190	1730614	---	---	---	1,05	up
6178609	7384509	1830727	---	---	---	1,33	up
6178632	7243647	1482439	---	---	---	1,09	up

6178675	7236254	1464056	---	---	---	1,59	down
6178688	7297589	1615644	---	---	---	1,32	down
6178698	7307721	1642007	---	---	---	1,57	down
6178927	7297483	1615280	---	---	---	1,65	up
6178939	7286807	1588805	---	---	---	1,07	down
6178991	7156061	1265812	---	---	---	1,12	up
6179042	7364346	1779999	---	---	---	1,41	up
6179085	7193056	1358284	---	---	---	1,20	up
6179209	7344406	1731249	---	---	---	1,09	up
6179342	7209927	1398924	---	---	---	1,18	down
6179443	7331719	1699924	---	---	---	2,13	down
6179718	7139026	1223510	---	---	---	1,02	up
6179762	7136977	1218819	---	---	---	1,74	up
6179772	7272110	1553031	---	---	---	1,40	down
6179878	7268736	1544316	---	---	---	1,33	down
6179902	7054958	1020572	---	---	---	1,04	down
6179966	7244290	1484145	---	---	---	1,26	down
6180018	7189574	1348704	---	---	---	1,04	up
6180047	7127540	1195271	---	---	---	1,05	down
6180089	7245695	1487062	---	---	---	1,11	down
6180194	7291054	1599404	---	---	---	1,17	down
6180269	7071895	1060753	---	---	---	1,16	up
6180315	7231775	1452135	---	---	---	1,06	down
6180344	7294264	1606843	---	---	---	1,28	down
6180457	7240232	1474416	---	---	---	1,50	down
6180493	7068259	1051593	---	---	---	1,01	up
6180569	7127797	1195853	---	---	---	1,02	up
6180684	7336250	1710164	---	---	---	1,78	up
6180793	7113483	1160994	---	---	---	1,22	down
6180795	7277719	1567069	---	---	---	1,30	up
6180820	7145669	1240016	---	---	---	1,63	down
6180824	7073950	1065936	---	---	---	1,40	up
6181132	7061367	1034835	---	---	---	1,25	down
6181186	7136977	1218819	---	---	---	2,93	down
6181399	7364346	1780015	---	---	---	1,02	down
6181510	7301890	1626685	---	---	---	1,16	down
6181681	7329846	1694992	---	---	---	1,76	up
6181693	7365093	1781617	---	---	---	1,28	down
6181744	7337260	1712807	---	---	---	1,16	down
6181756	7041584	989459	---	---	---	1,33	down
6181791	7180732	1326737	---	---	---	1,26	down
6181837	7286807	1588844	---	---	---	1,10	up
6181899	7259923	1522526	---	---	---	1,07	up
6182095	7287222	1589743	---	---	---	1,18	up
6182134	7249503	1496203	---	---	---	1,02	up
6182247	7144389	1236781	---	---	---	1,37	down
6182401	7340838	1722087	---	---	---	1,09	down
6182491	7217747	1417479	---	---	---	1,16	up
6182545	7233970	1458274	---	---	---	2,19	up
6182630	7312338	1652764	---	---	---	1,72	down
6182664	7065827	1045721	---	---	---	1,07	down
6182775	7353712	1753946	---	---	---	1,21	down
6182805	7339379	1718356	---	---	---	2,16	down
6182871	7356115	1760127	---	---	---	1,12	up
6182973	7320234	1672986	---	---	---	1,47	up
6183311	7039589	984510	---	---	---	1,55	down

6183320	7271128	1550317	---	---	---	1,60	down
6183325	7297274	1614657	---	---	---	1,51	down
6183478	7237132	1466111	---	---	---	1,39	up
6183515	7173863	1309712	---	---	---	1,03	up
6183524	7331434	1699226	---	---	---	1,31	down
6183546	7280743	1574523	---	---	---	2,38	down
6183554	7068942	1053377	---	---	---	1,63	down
6183605	7122131	1182668	---	---	---	2,45	down
6183815	7303722	1631713	---	---	---	1,16	down
6183817	7303616	1631375	---	---	---	1,13	down
6183873	7339110	1717617	---	---	---	1,00	up
6183905	7127797	1195853	---	---	---	1,10	up
6183946	7111573	1156021	---	---	---	1,27	down
6184111	7031618	964206	---	---	---	1,19	down
6184226	7111427	1155773	---	---	---	1,22	down
6184373	7237711	1467432	---	---	---	1,06	down
6184379	7199476	1374552	---	---	---	1,15	down
6184404	7351951	1749832	---	---	---	1,31	up
6184451	7260553	1524109	---	---	---	2,43	down
6184465	7364346	1780003	---	---	---	1,13	down
6184478	7200545	1376896	---	---	---	1,19	up
6184530	7225553	1435976	---	---	---	1,46	down
6184674	7295410	1609794	---	---	---	1,14	up
6184689	7145669	1240011	---	---	---	1,08	up
6184837	7052385	1014796	---	---	---	1,01	up
6184858	7174149	1310504	---	---	---	2,05	down
6184907	7247229	1490535	---	---	---	1,08	down
6184945	7279568	1572001	---	---	---	1,72	up
6185203	7297274	1614644	---	---	---	1,11	down
6185226	7339379	1718361	---	---	---	1,23	down
6185241	7038969	982977	---	---	---	1,30	down
6185535	7072332	1061647	---	---	---	1,71	up
6185540	7337224	1712548	---	---	---	1,16	up
6185546	7088164	1098467	---	---	---	1,39	up
6185613	7260613	1524298	---	---	---	1,43	down
6185627	7230611	1448822	---	---	---	1,33	up
6185676	7363768	1778601	---	---	---	1,15	up
6185687	7067406	1049591	---	---	---	1,05	down
6185720	7303616	1631367	---	---	---	1,03	up
6185785	7034486	972530	---	---	---	1,15	up
6185903	7027795	956273	---	---	---	1,69	down
6185952	7378997	1818651	---	---	---	1,13	up
6186069	7065266	1044594	---	---	---	1,89	down
6186070	7096859	1119322	---	---	---	1,08	up
6186153	7351951	1749834	---	---	---	1,34	up
6186532	7338807	1716796	---	---	---	1,08	down
6186534	7108345	1148074	---	---	---	1,36	down
6186577	7236851	1465392	---	---	---	1,03	up
6186584	7195903	1365335	---	---	---	1,04	down
6186698	7253408	1505953	---	---	---	1,18	up
6186724	7155116	1263398	---	---	---	1,17	up
6186909	7075445	1069340	---	---	---	1,14	down
6186935	7243653	1482536	---	---	---	2,02	down
6186949	7294151	1606615	---	---	---	1,00	down
6186982	7114108	1162446	---	---	---	1,14	down
6187101	7131360	1204972	---	---	---	1,01	down

6187235	7090278	1104136	---	---	---	1,54	down
6187693	7323522	1679829	---	---	---	1,20	down
6187839	7326612	1687195	---	---	---	1,09	down
6187841	7253088	1505120	---	---	---	1,25	up
6187862	7339379	1718336	---	---	---	1,02	down
6188082	7115880	1166836	---	---	---	1,15	down
6188109	7052385	1014780	---	---	---	1,00	up
6188120	7298920	1618828	---	---	---	1,36	down
6188194	7038316	981458	---	---	---	1,26	up
6188240	7151063	1253072	---	---	---	1,56	up
6188270	7156052	1265759	---	---	---	1,19	down
6188311	7291853	1600977	---	---	---	1,78	down
6188364	7274780	1559230	---	---	---	1,04	down
6188378	7058713	1028664	---	---	---	1,09	down
6188411	7369712	1794827	---	---	---	1,09	up
6188456	7065265	1044557	---	---	---	1,19	up
6188553	7080731	1080979	---	---	---	1,51	down
6188564	7247229	1490538	---	---	---	2,08	down
6188627	7148978	1248498	---	---	---	1,54	down
6188710	7099294	1126104	---	---	---	1,00	up
6188858	7070836	1058362	---	---	---	1,42	down
6188862	7236254	1464065	---	---	---	1,13	up
6188916	7243653	1482527	---	---	---	1,12	up
6188927	7315206	1660029	---	---	---	1,48	up
6188956	7359551	1768620	---	---	---	1,26	up
6188983	7037495	979322	---	---	---	1,28	down
6189044	7033337	969487	---	---	---	1,39	down
6189101	7098451	1123808	---	---	---	1,22	up
6189126	7197056	1367835	---	---	---	1,69	down
6189298	7059375	1030057	---	---	---	1,42	down
6189403	7303616	1631358	---	---	---	1,19	down
6189511	7146982	1243294	---	---	---	1,05	down
6189570	7189184	1347606	---	---	---	1,45	down
6189594	7116103	1167599	---	---	---	1,77	down
6189654	7360486	1771003	---	---	---	1,27	down
6189656	7330238	1695925	---	---	---	1,42	up
6189676	7102976	1135054	---	---	---	1,04	down
6189758	7293234	1604333	---	---	---	2,07	up
6189866	7293757	1605675	---	---	---	1,09	up
6189920	7297589	1615652	---	---	---	1,18	up
6189928	7363132	1776957	---	---	---	1,01	down
6189984	7071264	1059283	---	---	---	1,82	up
6189992	7086966	1095251	---	---	---	1,33	down
6190118	7082098	1084120	---	---	---	1,01	up
6190234	7067828	1050781	---	---	---	1,04	down
6190264	7086522	1093956	---	---	---	1,93	down
6190279	7092549	1109131	---	---	---	1,46	down
6190329	7292154	1601631	---	---	---	1,72	down
6190339	7065827	1045721	---	---	---	1,02	up
6190352	7345465	1733851	---	---	---	1,63	down
6190494	7038610	982076	---	---	---	1,53	down
6190641	7088489	1099519	---	---	---	2,04	down
6190658	7127257	1194813	---	---	---	1,17	down
6190700	7068942	1053394	---	---	---	1,26	down
6190719	7053874	1018335	---	---	---	1,06	down
6190761	7097525	1121051	---	---	---	1,01	down

6190766	7069830	1055603	---	---	---	1,61	up
6190794	7303616	1631359	---	---	---	1,06	up
6190814	7102113	1132841	---	---	---	1,04	up
6190927	7068259	1051617	---	---	---	1,56	up
6190930	7111573	1156033	---	---	---	1,42	down
6190953	7303616	1631358	---	---	---	1,09	up
6191158	7203872	1384760	---	---	---	1,19	down
6191200	7168914	1297025	---	---	---	1,01	down
6191286	7384509	1830736	---	---	---	1,26	down
6191323	7169573	1298391	---	---	---	1,23	up
6191324	7299512	1620555	---	---	---	1,03	down
6191519	7160053	1275389	---	---	---	1,09	down
6191590	7320337	1673307	---	---	---	1,20	up
6191628	7034293	971995	---	---	---	1,20	up
6191709	7253272	1505701	---	---	---	1,04	down
6191713	7132020	1206320	---	---	---	1,57	up
6191731	7156052	1265772	---	---	---	1,14	up
6191749	7297274	1614660	---	---	---	1,01	up
6191856	7378997	1818661	---	---	---	1,03	up
6191861	7064224	1041782	---	---	---	1,06	up
6191882	7316644	1664009	---	---	---	1,09	down
6191939	7290793	1598625	---	---	---	1,41	down
6191998	7245066	1485577	---	---	---	1,19	down
6192051	7154655	1262318	---	---	---	1,17	down
6192093	7088625	1099864	---	---	---	1,25	up
6192096	7049399	1008333	---	---	---	1,12	down
6192175	7072552	1062133	---	---	---	1,00	up
6192199	7199476	1374521	---	---	---	1,38	down
6192246	7379957	1820637	---	---	---	1,29	down
6192361	7217679	1417309	---	---	---	1,04	down
6192397	7083030	1086269	---	---	---	1,56	up
6192407	7032618	967315	---	---	---	1,22	down
6192418	7115146	1164935	---	---	---	1,01	up
6192534	7281923	1577696	---	---	---	1,65	down
6192841	7350993	1747534	---	---	---	1,02	down
6192846	7341546	1723950	---	---	---	2,98	down
6192851	7243647	1482427	---	---	---	1,42	down
6192944	7148978	1248457	---	---	---	1,34	down
6192978	7336931	1711853	---	---	---	1,02	down
6193029	7240569	1475493	---	---	---	1,52	up
6193082	7295410	1609778	---	---	---	1,11	up
6193084	7084193	1089126	---	---	---	1,85	up
6193232	7379957	1820639	---	---	---	1,16	up
6193372	7337224	1712627	---	---	---	1,08	down
6193377	7116614	1168789	---	---	---	1,21	up
6193468	7267380	1540403	---	---	---	1,54	down
6193487	7176177	1315143	---	---	---	1,96	up
6193522	7067670	1050374	---	---	---	1,20	down
6193573	7092965	1110187	---	---	---	1,00	up
6193645	7142081	1230967	---	---	---	1,06	down
6193661	7186305	1341002	---	---	---	1,50	down
6193693	7069253	1054141	---	---	---	1,40	down
6193705	7142081	1230954	---	---	---	1,20	up
6193865	7259923	1522532	---	---	---	1,19	down
6193872	7319065	1669979	---	---	---	1,95	up
6193932	7331829	1700185	---	---	---	2,08	up

6193946	7284359	1583435	---	---	---	2,19	down
6194098	7244288	1484094	---	---	---	1,42	up
6194273	7143988	1235961	---	---	---	1,42	down
6194354	7260613	1524267	---	---	---	1,07	down
6194370	7076236	1071196	---	---	---	1,13	up
6194444	7031774	964652	---	---	---	1,06	up
6194460	7112225	1157533	---	---	---	1,80	up
6194518	7270397	1548130	---	---	---	1,64	down
6194533	7340258	1720743	---	---	---	1,37	down
6194620	7169599	1298446	---	---	---	1,45	up
6194692	7059375	1030052	---	---	---	1,19	up
6194757	7248964	1494947	---	---	---	1,00	down
6194817	7089381	1102058	---	---	---	1,39	down
6194865	7234040	1458505	---	---	---	1,04	down
6194922	7321029	1674818	---	---	---	1,32	down
6194961	7239939	1473798	---	---	---	2,15	up
6195045	7149817	1250304	---	---	---	1,86	up
6195060	7168858	1296829	---	---	---	1,11	up
6195106	7255120	1510371	---	---	---	1,21	up
6195124	7289069	1594393	---	---	---	1,05	up
6195202	7244290	1484145	---	---	---	1,16	up
6195274	7248964	1494946	---	---	---	1,11	up
6195305	7034353	972138	---	---	---	1,01	down
6195468	7073928	1065816	---	---	---	2,61	down
6195470	7088625	1099873	---	---	---	1,16	up
6195503	7384365	1830282	---	---	---	1,20	down
6195550	7339387	1718372	---	---	---	1,48	down
6195584	7288095	1592051	---	---	---	1,27	down
6195715	7142081	1230947	---	---	---	1,26	down
6195823	7210387	1400042	---	---	---	1,32	down
6195830	7233359	1456514	---	---	---	1,01	down
6195855	7236254	1464075	---	---	---	1,68	up
6195862	7380497	1821846	---	---	---	1,26	down
6195951	7293454	1604953	---	---	---	1,03	down
6196010	7112570	1158685	---	---	---	1,44	up
6196106	7248790	1494539	---	---	---	1,45	down
6196144	7227313	1440661	---	---	---	1,32	down
6196167	7038316	981460	---	---	---	1,04	up
6196175	7131360	1204974	---	---	---	1,38	up
6196266	7084993	1090666	---	---	---	1,05	down
6196315	7056333	1023674	---	---	---	2,23	down
6196327	7146982	1243293	---	---	---	1,14	down
6196339	7275674	1561644	---	---	---	2,28	up
6196498	7087965	1098057	---	---	---	1,41	down
6196644	7350489	1746111	---	---	---	1,02	down
6196674	7228656	1444244	---	---	---	1,17	down
6196718	7294264	1606843	---	---	---	1,36	up
6196721	7032074	965638	---	---	---	1,46	up
6196757	7032444	966756	---	---	---	1,23	down
6196765	7210780	1400862	---	---	---	1,08	down
6196979	7060851	1033439	---	---	---	1,07	up
6197002	7093806	1112148	---	---	---	1,11	down
6197072	7030518	961682	---	---	---	1,39	up
6197078	7291054	1599394	---	---	---	1,15	up
6197097	7057277	1025523	---	---	---	2,17	up
6197168	7243647	1482474	---	---	---	1,13	down

6197212	7086966	1095241	---	---	---	1,21	up
6197289	7380497	1821830	---	---	---	1,28	down
6197323	7084993	1090666	---	---	---	1,38	down
6197368	7249917	1497394	---	---	---	1,30	up
6197483	7078198	1075614	---	---	---	1,75	up
6197490	7113984	1162228	---	---	---	1,21	down
6197525	7069830	1055628	---	---	---	1,16	up
6197547	7217679	1417314	---	---	---	1,97	up
6197732	7349946	1744951	---	---	---	1,16	down
6197836	7059766	1030973	---	---	---	1,08	down
6198088	7360325	1770499	---	---	---	1,07	up
6198090	7303616	1631374	---	---	---	1,32	up
6198234	7245874	1487588	---	---	---	1,20	up
6198328	7067670	1050373	---	---	---	1,52	down
6198401	7174114	1310424	---	---	---	1,09	up
6198527	7373417	1805094	---	---	---	1,37	up
6198533	7127257	1194802	---	---	---	1,38	down
6198538	7274780	1559212	---	---	---	1,05	down
6198623	7225317	1435356	---	---	---	1,38	up
6198653	7092549	1109201	---	---	---	1,25	up
6198668	7240569	1475320	---	---	---	1,37	up
6198670	7346505	1736289	---	---	---	1,25	down
6198732	7069830	1055656	---	---	---	1,43	down
6198826	7072225	1061405	---	---	---	1,86	up
6198988	7059375	1030075	---	---	---	1,09	down
6199077	7122486	1183421	---	---	---	1,05	up
6199107	7253088	1505124	---	---	---	1,01	up
6199138	7237719	1467477	---	---	---	1,01	up
6199180	7367748	1788255	---	---	---	1,02	up
6199222	7280743	1574535	---	---	---	1,00	up
6199273	7247954	1492393	---	---	---	1,10	up
6199304	7319937	1672317	---	---	---	1,06	down
6199309	7358859	1767015	---	---	---	1,13	down
6199322	7098189	1123154	---	---	---	1,21	up
6199401	7038153	981158	---	---	---	1,21	up
6199804	7252051	1502480	---	---	---	1,09	down
6199805	7096859	1119333	---	---	---	1,28	down
6199911	7056304	1023537	---	---	---	1,10	down
6199957	7243130	1480886	---	---	---	1,17	up
6200213	7101643	1131574	---	---	---	1,43	down
6200342	7331829	1700178	---	---	---	1,09	down
6200401	7210445	1400146	---	---	---	1,80	down
6200613	7117187	1170158	---	---	---	1,20	down
6200864	7192902	1357765	---	---	---	1,18	up
6200924	7068853	1053127	---	---	---	1,12	up
6200998	7292154	1601690	---	---	---	1,42	up
6201047	7279568	1572020	---	---	---	1,05	down
6201083	7337224	1712556	---	---	---	1,32	down
6201101	7113483	1161023	---	---	---	1,54	down
6201199	7198210	1370979	---	---	---	1,07	up
6201230	7037764	979993	---	---	---	1,22	down
6201465	7059766	1030979	---	---	---	1,46	down
6201478	7150348	1251381	---	---	---	1,04	down
6201537	7192186	1355619	---	---	---	1,05	down
6201586	7096859	1119298	---	---	---	1,35	down
6201612	7323545	1679951	---	---	---	1,27	up

6201666	7274892	1559571	---	---	---	1,45	down
6201744	7337845	1714347	---	---	---	1,10	up
6201771	7352100	1750215	---	---	---	1,07	down
6201906	7159027	1272718	---	---	---	1,53	down
6201913	7374842	1809000	---	---	---	1,25	down
6202066	7087965	1098051	---	---	---	1,04	up
6202071	7254040	1507590	---	---	---	1,04	up
6202125	7240224	1474390	---	---	---	1,01	down
6202156	7070616	1057780	---	---	---	1,19	down
6202186	7167507	1293150	---	---	---	1,05	up
6202258	7217747	1417493	---	---	---	1,36	up
6202296	7210780	1400876	---	---	---	1,33	down
6202345	7032083	965682	---	---	---	1,81	up
6202357	7069830	1055589	---	---	---	3,66	down
6202429	7293757	1605691	---	---	---	1,01	down
6202430	7279793	1572538	---	---	---	1,04	up
6202534	7029078	958879	---	---	---	1,00	up
6202639	7038610	982091	---	---	---	2,29	up
6202665	7213945	1407853	---	---	---	1,01	up
6202775	7112225	1157602	---	---	---	1,49	down
6202823	7150348	1251434	---	---	---	2,09	down
6202889	7341253	1723306	---	---	---	1,09	up
6202890	7344406	1731194	---	---	---	2,06	down
6202947	7087805	1097456	---	---	---	2,09	up
6203359	7297154	1614215	---	---	---	1,41	up
6203436	7247228	1490512	---	---	---	1,16	down
6203481	7266778	1538857	---	---	---	1,47	up
6203573	7240569	1475379	---	---	---	1,03	up
6203648	7243647	1482427	---	---	---	1,18	down
6203865	7088164	1098490	---	---	---	1,21	up
6204096	7365183	1781905	---	---	---	2,15	down
6204142	7246548	1489158	---	---	---	1,00	down
6204169	7297589	1615660	---	---	---	1,15	down
6204384	7263152	1530385	---	---	---	1,43	up
6204391	7307485	1641328	---	---	---	1,18	down
6204447	7350993	1747518	---	---	---	1,42	down
6204565	7096589	1118504	---	---	---	1,41	down
6204569	7031774	964724	---	---	---	1,38	up
6204629	7270397	1548127	---	---	---	1,02	down
6204632	7092549	1109176	---	---	---	1,11	up
6204711	7279568	1572023	---	---	---	1,34	down
6204825	7084716	1090121	---	---	---	1,97	down
6204926	7326612	1687189	---	---	---	1,08	down
6205012	7341253	1723251	---	---	---	1,20	down
6205034	7148978	1248494	---	---	---	1,38	down
6205056	7364346	1780020	---	---	---	1,10	up
6205136	7253272	1505699	---	---	---	2,24	up
6205244	7181442	1328882	---	---	---	1,38	down
6205261	7339379	1718335	---	---	---	1,19	up
6205346	7303635	1631451	---	---	---	1,30	up
6205459	7368684	1791854	---	---	---	1,44	up
6205531	7210445	1400145	---	---	---	1,10	up
6205551	7336250	1710171	---	---	---	1,25	up
6205564	7284501	1583864	---	---	---	1,07	up
6205631	7232340	1453523	---	---	---	1,28	down
6205642	7112566	1158636	---	---	---	1,03	up

6205855	7332970	1702554	---	---	---	1,22	up
6205917	7233359	1456511	---	---	---	1,43	up
6205996	7340057	1720323	---	---	---	1,17	down
6206040	7142081	1230980	---	---	---	1,16	down
6206128	7222221	1428062	---	---	---	1,13	down
6206181	7041584	989463	---	---	---	1,71	up
6206195	7237719	1467477	---	---	---	1,14	down
6206198	7155116	1263388	---	---	---	1,11	down
6206348	7240569	1475488	---	---	---	1,02	up
6206503	7180732	1326719	---	---	---	1,30	down
6206561	7336931	1711856	---	---	---	1,30	up
6206650	7303722	1631715	---	---	---	1,97	up
6206690	7098411	1123710	---	---	---	1,08	up
6206752	7189689	1349056	---	---	---	1,10	down
6206808	7217747	1417472	---	---	---	1,13	down
6206920	7116103	1167605	---	---	---	1,84	up
6207085	7071969	1060902	---	---	---	1,49	down
6207093	7378637	1817830	---	---	---	2,24	down
6207173	7263248	1530614	---	---	---	1,03	down
6207349	7273251	1555948	---	---	---	1,71	up
6207369	7162177	1280578	---	---	---	1,18	down
6207405	7267802	1541849	---	---	---	1,14	down
6207481	7053874	1018337	---	---	---	1,36	down
6207522	7297589	1615609	---	---	---	1,03	up
6207526	7185315	1338590	---	---	---	1,05	down
6207699	7363674	1778421	---	---	---	1,13	down
6207841	7095021	1115128	---	---	---	1,13	down
6207853	7332059	1700730	---	---	---	1,05	up
6207949	7303616	1631329	---	---	---	1,02	down
6207959	7359551	1768624	---	---	---	1,12	down
6207984	7301890	1626688	---	---	---	1,04	up
6208026	7093936	1112479	---	---	---	1,13	up
6208082	7059375	1030059	---	---	---	1,15	down
6208141	7376566	1812880	---	---	---	1,19	down
6208298	7099650	1126881	---	---	---	1,01	down
6208367	7321029	1674811	---	---	---	1,08	up
6208394	7132125	1206600	---	---	---	1,04	down
6208426	7298920	1618823	---	---	---	1,34	up
6208466	7234040	1458505	---	---	---	1,28	down
6208525	7351951	1749822	---	---	---	1,34	up
6208577	7112570	1158655	---	---	---	2,11	down
6208610	7056333	1023673	---	---	---	1,58	up
6208639	7098867	1124956	---	---	---	1,01	down
6208794	7337224	1712592	---	---	---	1,93	up
6208801	7050557	1010792	---	---	---	1,01	up
6208885	7101258	1130571	---	---	---	1,22	up
6209077	7190524	1351187	---	---	---	1,27	up
6209366	7334331	1705688	---	---	---	1,06	up
6209392	7267802	1541741	---	---	---	1,31	up
6209489	7102976	1135048	---	---	---	1,02	up
6209654	7131889	1206088	---	---	---	1,18	up
6209713	7102369	1133411	---	---	---	1,53	up
6209781	7286807	1588799	---	---	---	1,25	up
6209901	7107926	1146841	---	---	---	1,15	down
6209922	7068259	1051598	---	---	---	1,96	up
6209942	7308679	1644251	---	---	---	3,87	down

6210039	7143455	1234721	---	---	---	1,16	down
6210224	7280743	1574493	---	---	---	1,88	up
6210267	7258520	1518855	---	---	---	1,81	up
6210312	7146093	1240932	---	---	---	1,59	up
6210387	7142853	1232903	---	---	---	1,04	up
6210438	7097454	1120881	---	---	---	1,12	down
6210492	7033672	970341	---	---	---	2,00	down
6210495	7384509	1830731	---	---	---	1,04	down
6210921	7319486	1670928	---	---	---	1,18	down
6210958	7358859	1767010	---	---	---	1,39	up
6210972	7070140	1056499	---	---	---	1,03	down
6211034	7097680	1121733	---	---	---	1,12	up
6211056	7363674	1778467	---	---	---	1,09	down
6211141	7368954	1792777	---	---	---	1,80	up
6211240	7279303	1571202	---	---	---	2,18	down
6211278	7059721	1030849	---	---	---	1,19	down
6211315	7297274	1614663	---	---	---	1,73	down
6211467	7234195	1458981	---	---	---	1,02	down
6211551	7330396	1696378	---	---	---	1,10	up
6211611	7090278	1104136	---	---	---	1,88	down
6211619	7027759	956123	---	---	---	1,07	up
6211629	7052813	1015893	---	---	---	1,05	down
6211653	7360486	1770996	---	---	---	1,01	up
6211689	7173863	1309712	---	---	---	1,91	up
6211708	7379957	1820636	---	---	---	1,42	up
6211753	7380497	1821835	---	---	---	1,03	up
6211788	7045663	1000082	---	---	---	1,35	down
6211864	7270574	1548527	---	---	---	1,18	up
6211869	7254040	1507575	---	---	---	1,23	down
6211981	7131103	1204365	---	---	---	1,11	up
6212243	7075096	1068574	---	---	---	1,06	down
6212262	7338807	1716813	---	---	---	1,09	down
6212287	7294151	1606607	---	---	---	1,00	down
6212312	7069142	1053877	---	---	---	1,01	down
6212397	7286807	1588803	---	---	---	1,32	down
6212487	7040260	986050	---	---	---	1,01	up
6212525	7336727	1711284	---	---	---	1,38	down
6212547	7060195	1031975	---	---	---	1,01	down
6212673	7116103	1167603	---	---	---	2,22	down
6212706	7185622	1339206	---	---	---	1,05	up
6212716	7075424	1069297	---	---	---	1,07	down
6212720	7350489	1746112	---	---	---	1,28	down
6212757	7321029	1674810	---	---	---	1,09	down
6212914	7087492	1096695	---	---	---	1,01	up
6213014	7093936	1112472	---	---	---	1,08	down
6213024	7162144	1280498	---	---	---	1,06	down
6213121	7136977	1218808	---	---	---	1,12	up
6213176	7196029	1365625	---	---	---	1,06	up
6213178	7340304	1720866	---	---	---	1,77	down
6213245	7209927	1398929	---	---	---	1,18	up
6213270	7273223	1555873	---	---	---	1,24	up
6213272	7031576	964110	---	---	---	1,52	up
6213279	7068697	1052761	---	---	---	1,28	down
6213393	7111573	1156016	---	---	---	1,16	down
6213433	7303616	1631371	---	---	---	1,17	up
6213468	7156052	1265769	---	---	---	1,75	down

6213528	7189669	1348968	---	---	---	1,20	up
6213572	7154655	1262335	---	---	---	1,43	up
6213716	7229886	1447165	---	---	---	1,14	down
6213762	7344406	1731198	---	---	---	1,23	up
6213770	7092549	1109192	---	---	---	1,18	down
6213795	7032444	966742	---	---	---	1,19	up
6213797	7278957	1570392	---	---	---	1,33	up
6213913	7232340	1453523	---	---	---	1,07	down
6213918	7092549	1109130	---	---	---	1,19	up
6213935	7098126	1122967	---	---	---	1,55	down
6213953	7291054	1599397	---	---	---	1,02	up
6213963	7339379	1718361	---	---	---	1,46	down
6213967	7266532	1538297	---	---	---	1,35	up
6214054	7098366	1123616	---	---	---	1,17	down
6214143	7112566	1158631	---	---	---	1,28	down
6214170	7049399	1008402	---	---	---	1,40	up
6214232	7145669	1240003	---	---	---	1,02	up
6214300	7099573	1126736	---	---	---	1,60	down
6214363	7050710	1011174	---	---	---	1,09	down
6214386	7305674	1636833	---	---	---	1,01	down
6214420	7274780	1559223	---	---	---	1,17	down
6214489	7073854	1065621	---	---	---	1,50	up
6214612	7190524	1351171	---	---	---	1,28	down
6214960	7344406	1731205	---	---	---	1,20	up
6214969	7162144	1280499	---	---	---	1,03	down
6215060	7368729	1792054	---	---	---	2,32	up
6215064	7115362	1165600	---	---	---	1,13	down
6215106	7053874	1018306	---	---	---	1,07	down
6215163	7297523	1615421	---	---	---	1,02	up
6215216	7180732	1326735	---	---	---	1,07	up
6215254	7343052	1727508	---	---	---	1,05	up
6215333	7088625	1099861	---	---	---	1,86	down
6215413	7037235	978575	---	---	---	1,98	down
6215451	7380497	1821830	---	---	---	1,15	up
6215507	7373678	1805858	---	---	---	1,75	up
6215710	7083030	1086266	---	---	---	1,16	up
6215744	7101400	1130914	---	---	---	1,20	down
6215767	7064134	1041480	---	---	---	1,40	up
6215778	7258520	1518853	---	---	---	1,25	up
6215782	7323545	1679929	---	---	---	1,12	up
6215858	7184981	1337844	---	---	---	1,20	up
6215859	7154655	1262329	---	---	---	2,05	up
6215867	7052385	1014809	---	---	---	1,08	up
6215897	7325674	1685231	---	---	---	1,04	up
6215900	7070836	1058355	---	---	---	1,24	up
6215940	7337845	1714352	---	---	---	1,12	up
6215951	7193056	1358261	---	---	---	1,13	up
6216020	7148271	1246644	---	---	---	1,18	up
6216037	7068259	1051628	---	---	---	1,38	up
6216065	7186305	1341002	---	---	---	1,91	down
6216165	7249503	1496186	---	---	---	1,08	up
6216228	7321414	1675631	---	---	---	1,65	up
6216256	7235069	1460984	---	---	---	1,06	up
6216257	7049399	1008390	---	---	---	1,27	up
6216430	7280743	1574521	---	---	---	1,20	down
6216439	7180861	1327224	---	---	---	1,28	up

6216600	7059429	1030243	---	---	---	1,22	down
6216820	7033616	970211	---	---	---	1,23	down
6217017	7322388	1677320	---	---	---	1,16	up
6217075	7363674	1778440	---	---	---	1,43	up
6217216	7178060	1320153	---	---	---	1,14	down
6217327	7142416	1231800	---	---	---	1,57	up
6217366	7176456	1315831	---	---	---	1,24	down
6217411	7200545	1376932	---	---	---	1,16	up
6217435	7036412	976867	---	---	---	1,49	down
6217451	7189689	1349059	---	---	---	1,08	up
6217836	7340304	1720852	---	---	---	2,30	up
6217855	7273223	1555878	---	---	---	1,48	down
6217984	7337224	1712560	---	---	---	1,03	up
6218048	7239939	1473799	---	---	---	1,32	up
6218100	7038669	982180	---	---	---	1,46	up
6218115	7196233	1366098	---	---	---	1,14	up
6218277	7373678	1805870	---	---	---	1,22	down
6218312	7256191	1512886	---	---	---	1,07	down
6218365	7097525	1121055	---	---	---	1,27	down
6218494	7100257	1128260	---	---	---	1,01	down
6218502	7103811	1137059	---	---	---	1,48	down
6218545	7132834	1208324	---	---	---	1,01	down
6218628	7341646	1724198	---	---	---	2,48	down
6218912	7217650	1417203	---	---	---	1,07	up
6218924	7107066	1144783	---	---	---	1,32	down
6219052	7249503	1496180	---	---	---	1,12	up
6219107	7367946	1788964	---	---	---	1,07	down
6219184	7097525	1121045	---	---	---	1,87	down
6219207	7115880	1166815	---	---	---	1,27	down
6219244	7295410	1609684	---	---	---	1,49	down
6219268	7039271	983714	---	---	---	1,44	down
6219354	7344702	1732141	---	---	---	2,06	down
6219409	7316644	1664034	---	---	---	1,11	down
6219429	7060851	1033356	---	---	---	1,06	down
6219445	7237719	1467488	---	---	---	1,17	down
6219452	7174149	1310512	---	---	---	1,03	down
6219515	7286807	1588809	---	---	---	1,47	up
6219532	7156052	1265772	---	---	---	1,01	up
6219582	7030224	961134	---	---	---	1,21	up
6219871	7339387	1718389	---	---	---	1,10	down
6219948	7235323	1461559	---	---	---	1,21	up
6220045	7264274	1533174	---	---	---	1,72	down
6220066	7190844	1352141	---	---	---	1,03	up
6220067	7292517	1602548	---	---	---	1,14	down
6220309	7178060	1320184	---	---	---	1,12	up
6220383	7094158	1112984	---	---	---	2,80	down
6220414	7165954	1288769	---	---	---	1,10	up
6220434	7264797	1534420	---	---	---	1,29	down
6220537	7290585	1598181	---	---	---	1,13	down
6220564	7101400	1130912	---	---	---	1,70	up
6220665	7185622	1339212	---	---	---	1,12	up
6220670	7119179	1174971	---	---	---	1,51	up
6220674	7033504	969853	---	---	---	1,21	down
6220694	7031774	964662	---	---	---	1,12	up
6220727	7090278	1104135	---	---	---	1,28	down
6220754	7107926	1146847	---	---	---	1,02	up

6220757	7225553	1435984	---	---	---	4,13	down
6220795	7180861	1327224	---	---	---	1,21	down
6220797	7179785	1324498	---	---	---	1,05	up
6220829	7137646	1220438	---	---	---	1,16	down
6220834	7344838	1732458	---	---	---	2,32	down
6220853	7199476	1374543	---	---	---	1,03	down
6221057	7226241	1437810	---	---	---	1,01	up
6221151	7181016	1327793	---	---	---	1,16	down
6221194	7156061	1265832	---	---	---	1,04	up
6221438	7343122	1727735	---	---	---	1,09	up
6221463	7350993	1747517	---	---	---	1,13	up
6221504	7050726	1011258	---	---	---	1,38	down
6221664	7155882	1265361	---	---	---	1,24	up
6221668	7279303	1571206	---	---	---	2,49	down
6221693	7225213	1435125	---	---	---	2,05	down
6221750	7330078	1695476	---	---	---	1,31	down
6221796	7213908	1407652	---	---	---	1,16	up
6221888	7108345	1148076	---	---	---	1,05	up
6221921	7139708	1225051	---	---	---	1,60	down
6222148	7247848	1492066	---	---	---	1,05	down
6222191	7271213	1550645	---	---	---	1,81	up
6222260	7364346	1779982	---	---	---	1,18	down
6222346	7384073	1829457	---	---	---	1,05	down
6222451	7274780	1559240	---	---	---	1,22	down
6222486	7141421	1229480	---	---	---	1,16	up
6222568	7089381	1102064	---	---	---	1,14	down
6222670	7129688	1200557	---	---	---	1,22	up
6222687	7249503	1496194	---	---	---	1,21	down
6222958	7166439	1290104	---	---	---	2,26	down
6223040	7297274	1614664	---	---	---	2,38	down
6223094	7143971	1235931	---	---	---	1,09	up
6223104	7043452	993841	---	---	---	1,42	down
6223128	7342959	1727350	---	---	---	1,55	up
6223328	7364948	1781228	---	---	---	1,31	up
6223367	7319937	1672311	---	---	---	1,04	down
6223459	7152038	1255395	---	---	---	1,01	up
6223542	7276762	1564484	---	---	---	1,21	down
6223656	7069142	1053875	---	---	---	2,25	down
6223677	7343868	1729854	---	---	---	2,20	down
6223757	7307424	1641135	---	---	---	1,00	down
6223824	7101400	1130898	---	---	---	1,02	up
6223912	7359551	1768626	---	---	---	1,06	up
6224009	7083021	1086220	---	---	---	1,61	up
6224217	7038316	981456	---	---	---	1,01	up
6224238	7083030	1086245	---	---	---	1,77	down
6224327	7369400	1793984	---	---	---	2,32	up
6224340	7180861	1327208	---	---	---	1,58	down
6224406	7339732	1719213	---	---	---	1,12	down
6224476	7185315	1338604	---	---	---	1,12	down
6224512	7099573	1126732	---	---	---	1,12	down
6224533	7040260	986098	---	---	---	1,28	down
6224642	7320337	1673338	---	---	---	1,62	up
6224687	7249737	1496747	---	---	---	1,55	up
6224828	7211343	1401978	---	---	---	1,45	up
6224865	7076236	1071185	---	---	---	1,19	up
6224896	7031774	964764	---	---	---	1,25	down

6224994	7341002	1722533	---	---	---	1,55	up
6225077	7236395	1464344	---	---	---	1,84	up
6225106	7249503	1496198	---	---	---	1,12	down
6225183	7315571	1661011	---	---	---	2,04	up
6225238	7131360	1204974	---	---	---	1,05	down
6225310	7339732	1719192	---	---	---	1,05	down
6225319	7108345	1148080	---	---	---	1,42	up
6225329	7249503	1496238	---	---	---	1,11	down
6225363	7331829	1700173	---	---	---	2,43	up
6225485	7224035	1432400	---	---	---	3,55	up
6225512	7107926	1146845	---	---	---	1,18	down
6225617	7222221	1428063	---	---	---	1,21	down
6225833	7210263	1399756	---	---	---	1,11	down
6225864	7350237	1745524	---	---	---	1,96	up
6225937	7243363	1481615	---	---	---	1,08	down
6226095	7232029	1452726	---	---	---	1,56	up
6226410	7239752	1473148	---	---	---	1,19	up
6226420	7349944	1744912	---	---	---	2,28	up
6226448	7345465	1733859	---	---	---	1,67	up
6226462	7202550	1381619	---	---	---	1,82	up
6226489	7273223	1555892	---	---	---	1,17	up
6226573	7167883	1294104	---	---	---	1,23	up
6226579	7292154	1601690	---	---	---	1,17	down
6226590	7088135	1098419	---	---	---	1,95	down
6226607	7332970	1702513	---	---	---	2,10	up
6226649	7170845	1301911	---	---	---	1,00	up
6226687	7248790	1494515	---	---	---	1,04	down
6226732	7039223	983555	---	---	---	1,29	up
6226832	7353441	1753342	---	---	---	1,23	up
6226852	7252051	1502510	---	---	---	1,33	down
6226858	7103811	1137064	---	---	---	1,90	up
6226864	7319937	1672283	---	---	---	1,24	down
6227245	7330396	1696379	---	---	---	1,91	down
6227261	7365183	1781905	---	---	---	1,12	up
6227262	7243253	1481232	---	---	---	1,08	up
6227284	7075445	1069347	---	---	---	1,40	down
6227344	7229886	1447151	---	---	---	1,03	up
6227365	7358859	1766997	---	---	---	1,06	up
6227438	7238252	1469220	---	---	---	1,03	up
6227442	7031460	963824	---	---	---	1,27	up
6227504	7172373	1305584	---	---	---	1,39	up
6227529	7231203	1450440	---	---	---	1,18	up
6227610	7263152	1530383	---	---	---	1,32	down
6227666	7111361	1155602	---	---	---	1,18	down
6227678	7207069	1392010	---	---	---	1,09	up
6227728	7297589	1615647	---	---	---	1,41	down
6227840	7064468	1042368	---	---	---	1,48	up
6227870	7332970	1702533	---	---	---	1,05	up
6227876	7120690	1179048	---	---	---	1,17	down
6227893	7287222	1589715	---	---	---	1,54	up
6228025	7338040	1714954	---	---	---	1,20	down
6228177	7145669	1240002	---	---	---	1,12	up
6228178	7293234	1604356	---	---	---	1,89	down
6228179	7340838	1722072	---	---	---	1,15	up
6228186	7328833	1692793	---	---	---	1,02	down
6228192	7167507	1293143	---	---	---	1,14	up

6228197	7305674	1636826	---	---	---	1,19	down
6228199	7139708	1225051	---	---	---	1,31	down
6228240	7364346	1780015	---	---	---	1,05	down
6228250	7297589	1615687	---	---	---	1,61	down
6228336	7251608	1501464	---	---	---	1,06	up
6228347	7217679	1417291	---	---	---	1,45	down
6228352	7043379	993641	---	---	---	1,26	up
6228397	7060851	1033408	---	---	---	1,30	up
6228423	7092549	1109125	---	---	---	1,03	down
6228519	7228848	1444755	---	---	---	1,03	up
6228520	7032083	965694	---	---	---	1,49	up
6228620	7101400	1130897	---	---	---	1,28	up
6228625	7088164	1098486	---	---	---	1,54	down
6228708	7350489	1746112	---	---	---	1,02	down
6228726	7243653	1482554	---	---	---	1,31	up
6228812	7320337	1673321	---	---	---	1,08	down
6228818	7359551	1768640	---	---	---	1,04	down
6228819	7213945	1407863	---	---	---	1,06	down
6228826	7059020	1029343	---	---	---	1,01	up
6228862	7284153	1583019	---	---	---	1,18	up
6228997	7374842	1808991	---	---	---	1,14	down
6229033	7236492	1464552	---	---	---	1,90	up
6229048	7132024	1206338	---	---	---	2,01	up
6229077	7281950	1577787	---	---	---	1,75	up
6229092	7143455	1234719	---	---	---	1,23	up
6229158	7247229	1490546	---	---	---	1,10	down
6229333	7330238	1695926	---	---	---	1,02	up
6229339	7299512	1620552	---	---	---	1,08	down
6229351	7249503	1496173	---	---	---	1,42	up
6229382	7331413	1699129	---	---	---	1,87	down
6229526	7213908	1407648	---	---	---	1,18	up
6229549	7117158	1170017	---	---	---	1,48	down
6229611	7367971	1789108	---	---	---	1,36	up
6229620	7098366	1123608	---	---	---	1,03	up
6229643	7049399	1008367	---	---	---	1,04	down
6229683	7376820	1813403	---	---	---	2,00	up
6229706	7357815	1764167	---	---	---	1,17	down
6229744	7264808	1534474	---	---	---	1,29	up
6229932	7249503	1496221	---	---	---	1,36	down
6229949	7165954	1288770	---	---	---	1,14	down
6229950	7166439	1290095	---	---	---	1,70	up
6229980	7043535	994145	---	---	---	1,06	down
6230036	7331719	1699921	---	---	---	1,41	up
6230120	7279793	1572532	---	---	---	1,25	up
6230150	7343122	1727722	---	---	---	1,21	up
6230172	7274892	1559575	---	---	---	1,08	up
6230181	7059502	1030381	---	---	---	2,03	down
6230222	7112225	1157604	---	---	---	1,00	up
6230228	7319486	1670927	---	---	---	1,58	up
6230258	7067670	1050316	---	---	---	1,93	up
6230269	7067614	1050201	---	---	---	1,22	up
6230337	7234407	1459361	---	---	---	1,07	up
6230359	7226241	1437787	---	---	---	1,03	up
6230386	7195903	1365327	---	---	---	2,34	up
6230538	7060851	1033421	---	---	---	1,01	down
6230643	7323545	1679920	---	---	---	1,18	down

6230842	7052385	1014777	---	---	---	1,03	up
6230847	7101400	1130922	---	---	---	1,49	down
6230918	7177180	1317778	---	---	---	2,82	down
6231024	7299204	1619538	---	---	---	1,06	up
6231055	7233440	1456827	---	---	---	1,25	down
6231106	7078273	1075819	---	---	---	1,14	down
6231124	7272110	1553031	---	---	---	1,35	up
6231144	7070616	1057778	---	---	---	1,42	down
6231222	7141421	1229479	---	---	---	1,10	down
6231248	7193513	1359467	---	---	---	2,01	down
6231277	7299512	1620546	---	---	---	1,26	down
6231320	7041609	989587	---	---	---	1,41	down
6231321	7199476	1374522	---	---	---	1,15	down
6231392	7061703	1035736	---	---	---	1,46	down
6231421	7234040	1458505	---	---	---	1,01	down
6231434	7247954	1492398	---	---	---	1,54	down
6231495	7116103	1167598	---	---	---	2,31	up
6231510	7115362	1165598	---	---	---	1,20	down
6231566	7056333	1023712	---	---	---	1,24	down
6231706	7141061	1228643	---	---	---	1,07	down
6231730	7267953	1542240	---	---	---	1,30	up
6231778	7384073	1829460	---	---	---	2,27	down
6231879	7069142	1053876	---	---	---	1,04	down
6231988	7293757	1605675	---	---	---	1,09	up
6232064	7212735	1405025	---	---	---	1,19	down
6232124	7234040	1458500	---	---	---	2,03	up
6232142	7137646	1220437	---	---	---	1,07	down
6232240	7132125	1206613	---	---	---	1,13	up
6232248	7139709	1225072	---	---	---	1,04	down
6232259	7038969	982979	---	---	---	1,14	down
6232442	7167507	1293121	---	---	---	1,12	down
6232491	7169599	1298443	---	---	---	1,39	up
6232719	7312621	1653461	---	---	---	1,15	down
6232735	7267802	1541816	---	---	---	1,11	down
6232824	7326612	1687195	---	---	---	1,73	up
6232836	7373038	1804286	---	---	---	1,09	down
6233056	7247228	1490521	---	---	---	1,33	up
6233134	7131360	1204968	---	---	---	1,29	down
6233304	7331297	1698818	---	---	---	1,20	down
6233306	7329513	1694254	---	---	---	1,02	up
6233315	7092549	1109133	---	---	---	1,01	up
6233509	7025652	950254	---	---	---	1,11	up
6233526	7033504	969861	---	---	---	1,02	up
6233566	7240569	1475491	---	---	---	1,04	up
6233648	7180732	1326719	---	---	---	1,01	down
6233844	7274892	1559569	---	---	---	1,42	up
6233882	7071264	1059363	---	---	---	1,62	down
6233893	7059375	1030055	---	---	---	1,02	down
6233917	7330181	1695694	---	---	---	1,22	up
6233932	7326612	1687202	---	---	---	1,21	down
6234049	7072765	1062740	---	---	---	1,39	down
6234160	7143455	1234714	---	---	---	1,32	up
6234193	7069142	1053876	---	---	---	1,53	up
6234348	7209927	1398923	---	---	---	1,07	down
6234447	7319937	1672287	---	---	---	1,47	down
6234509	7319937	1672282	---	---	---	1,02	up

6234578	7094158	1112982	---	---	---	1,35	up
6234581	7086966	1095272	---	---	---	1,07	up
6234604	7225213	1435124	---	---	---	1,07	up
6234636	7240569	1475497	---	---	---	1,34	up
6234677	7330396	1696342	---	---	---	1,28	down
6234742	7186464	1341375	---	---	---	1,96	down
6234848	7189184	1347597	---	---	---	1,01	up
6234869	7284153	1583011	---	---	---	1,85	down
6234933	7226241	1437808	---	---	---	1,15	up
6235013	7341002	1722535	---	---	---	1,73	up
6235128	7068259	1051662	---	---	---	1,31	down
6235148	7231152	1450255	---	---	---	1,09	up
6235182	7217650	1417181	---	---	---	1,50	up
6235254	7108345	1148080	---	---	---	1,07	up
6235402	7266706	1538750	---	---	---	1,71	up
6235634	7141061	1228678	---	---	---	1,22	up
6235655	7061003	1033924	---	---	---	1,01	down
6235665	7364346	1779972	---	---	---	1,03	up
6235684	7188829	1346669	---	---	---	1,41	down
6235768	7045525	999740	---	---	---	1,05	down
6235771	7369712	1794828	---	---	---	1,07	up
6235791	7236395	1464314	---	---	---	2,78	up
6235959	7229886	1447156	---	---	---	1,33	up
6235981	7249503	1496218	---	---	---	1,07	down
6236042	7380019	1820824	---	---	---	1,11	up
6236069	7027759	956132	---	---	---	1,23	down
6236084	7180687	1326629	---	---	---	1,13	down
6236172	7027797	956287	---	---	---	1,27	up
6236300	7322260	1677066	---	---	---	1,13	up
6236380	7245874	1487590	---	---	---	1,00	up
6236400	7247334	1490819	---	---	---	1,12	down
6236590	7122486	1183418	---	---	---	1,34	down
6236614	7336931	1711872	---	---	---	1,51	down
6236623	7239939	1473790	---	---	---	1,05	down
6236687	7150348	1251398	---	---	---	1,08	down
6236814	7041609	989573	---	---	---	1,00	down
6236936	7180721	1326699	---	---	---	1,10	down
6236978	7322020	1676651	---	---	---	1,07	down
6237011	7040260	986046	---	---	---	1,19	up
6237027	7176409	1315673	---	---	---	1,37	up
6237052	7068143	1051289	---	---	---	1,45	up
6237100	7229909	1447246	---	---	---	1,08	down
6237142	7307721	1641999	---	---	---	1,83	up
6237209	7129841	1200831	---	---	---	1,10	up
6237241	7196029	1365638	---	---	---	1,00	down
6237245	7199476	1374539	---	---	---	1,18	down
6237268	7330727	1697155	---	---	---	1,36	down
6237321	7328695	1692382	---	---	---	1,53	down
6237331	7343122	1727730	---	---	---	1,34	up
6237392	7096859	1119317	---	---	---	1,15	up
6237462	7374790	1808782	---	---	---	1,23	down
6237710	7247228	1490513	---	---	---	1,14	down
6237815	7337224	1712613	---	---	---	1,13	down
6237830	7319144	1670095	---	---	---	1,01	down
6237844	7033672	970364	---	---	---	1,49	up
6237847	7344530	1731576	---	---	---	1,02	down

6237980	7303616	1631366	---	---	---	1,23	down
6237989	7162177	1280576	---	---	---	1,55	down
6238057	7167507	1293153	---	---	---	1,02	down
6238084	7037764	980040	---	---	---	1,12	up
6238087	7033504	969843	---	---	---	1,07	down
6238141	7155286	1263909	---	---	---	2,72	up
6238280	7080106	1079715	---	---	---	1,18	down
6238336	7368729	1792055	---	---	---	1,02	down
6238458	7083030	1086253	---	---	---	1,60	up
6238466	7143904	1235801	---	---	---	1,04	up
6238549	7062436	1037699	---	---	---	1,01	up
6238580	7274780	1559229	---	---	---	1,67	down
6238586	7249503	1496238	---	---	---	1,23	down
6238684	7297483	1615281	---	---	---	1,14	up
6238781	7330238	1695953	---	---	---	1,15	down
6238812	7064468	1042369	---	---	---	1,03	up
6239091	7108300	1147899	---	---	---	1,02	down
6239392	7101400	1130917	---	---	---	1,32	down
6239465	7068504	1052165	---	---	---	1,47	down
6239571	7037764	980098	---	---	---	1,20	down
6239581	7330396	1696346	---	---	---	1,16	up
6239616	7384179	1829780	---	---	---	1,00	down
6239667	7210713	1400753	---	---	---	1,07	down
6239714	7056333	1023709	---	---	---	1,10	down
6239811	7086966	1095266	---	---	---	1,15	up
6239943	7188681	1346287	---	---	---	1,07	up
6239963	7244288	1484114	---	---	---	1,53	down
6240006	7233921	1458158	---	---	---	1,72	down
6240291	7279568	1572017	---	---	---	1,61	down
6240301	7031576	964110	---	---	---	1,11	down
6240714	7132834	1208324	---	---	---	1,23	down
6240883	7119556	1176077	---	---	---	1,15	up
6241072	7086664	1094275	---	---	---	1,20	up
6241168	7112562	1158601	---	---	---	1,46	up
6241266	7096924	1119623	---	---	---	1,16	up
6241285	7378997	1818635	---	---	---	1,03	down
6241342	7261766	1527159	---	---	---	5,35	up
6241355	7238115	1468642	---	---	---	1,05	down
6241370	7027759	956133	---	---	---	1,01	down
6241558	7247229	1490536	---	---	---	1,10	up
6241596	7199476	1374555	---	---	---	1,01	down
6241660	7182713	1332531	---	---	---	1,11	up
6241699	7312903	1654102	---	---	---	2,08	down
6241710	7271128	1550333	---	---	---	1,92	down
6241782	7339379	1718346	---	---	---	1,31	up
6241797	7361420	1773043	---	---	---	1,05	up
6241807	7351951	1749838	---	---	---	1,68	up
6241839	7237719	1467529	---	---	---	1,21	up
6241945	7341397	1723628	---	---	---	1,13	down
6242008	7206133	1389960	---	---	---	1,27	down
6242183	7258323	1518472	---	---	---	8,08	down
6242209	7297589	1615592	---	---	---	1,53	up
6242418	7247848	1492073	---	---	---	1,05	down
6242454	7367969	1789094	---	---	---	1,44	up
6242485	7086966	1095287	---	---	---	1,19	down
6242557	7353441	1753335	---	---	---	1,25	down

6242566	7050930	1011624	---	---	---	1,35	up
6242584	7149817	1250309	---	---	---	1,36	down
6242588	7229886	1447157	---	---	---	1,07	down
6242634	7031325	963570	---	---	---	1,11	up
6242684	7217650	1417200	---	---	---	1,09	down
6242969	7180243	1325505	---	---	---	1,27	up
6243091	7148978	1248553	---	---	---	1,20	down
6243125	7139708	1225063	---	---	---	1,22	up
6243186	7112225	1157539	---	---	---	1,29	up
6243212	7240569	1475494	---	---	---	1,42	down
6243226	7096924	1119614	---	---	---	1,44	up
6243229	7243130	1480845	---	---	---	1,01	up
6243295	7315206	1660014	---	---	---	1,46	up
6243333	7344838	1732459	---	---	---	1,12	down
6243495	7320337	1673334	---	---	---	1,33	up
6243551	7317088	1665058	---	---	---	1,38	up
6243590	7367990	1789220	---	---	---	1,19	down
6243632	7076236	1071238	---	---	---	1,11	down
6243733	7294264	1606843	---	---	---	1,60	up
6243747	7150497	1251783	---	---	---	1,16	up
6243840	7099573	1126739	---	---	---	1,10	up
6243843	7132125	1206618	---	---	---	1,00	down
6243875	7312621	1653460	---	---	---	1,14	up
6244073	7092549	1109128	---	---	---	1,35	down
6244093	7303616	1631335	---	---	---	1,06	down
6244348	7038530	981878	---	---	---	1,15	up
6244567	7156061	1265827	---	---	---	1,29	up
6244591	7101643	1131565	---	---	---	1,03	up
6244639	7097680	1121745	---	---	---	1,23	down
6244735	7368804	1792265	---	---	---	1,69	down
6244813	7154655	1262344	---	---	---	1,02	down
6244883	7080106	1079750	---	---	---	1,09	down
6244916	7180620	1326404	---	---	---	1,10	down
6244990	7096924	1119608	---	---	---	1,51	up
6245310	7092549	1109161	---	---	---	1,04	down
6245316	7231835	1452283	---	---	---	1,15	up
6245371	7087492	1096704	---	---	---	1,09	down
6245412	7274585	1558795	---	---	---	1,33	up
6245484	7249503	1496230	---	---	---	1,16	down
6245564	7142416	1231800	---	---	---	1,39	up
6245624	7152038	1255398	---	---	---	1,46	down
6245625	7363674	1778432	---	---	---	1,42	up
6245643	7287222	1589716	---	---	---	1,13	up
6245683	7168858	1296842	---	---	---	1,31	down
6245698	7197820	1370087	---	---	---	1,55	down
6245768	7331297	1698815	---	---	---	1,17	up
6245797	7060851	1033432	---	---	---	1,15	down
6245912	7359460	1768474	---	---	---	1,18	down
6246116	7260636	1524367	---	---	---	1,09	up
6246142	7280743	1574511	---	---	---	1,76	down
6246201	7326612	1687193	---	---	---	1,12	down
6246258	7280743	1574555	---	---	---	1,46	up
6246304	7082098	1084112	---	---	---	1,04	up
6246362	7363132	1776958	---	---	---	1,26	down
6246383	7156052	1265743	---	---	---	1,42	up
6246521	7338807	1716794	---	---	---	1,02	down

6246735	7257976	1517713	---	---	---	1,14	down
6246760	7075445	1069360	---	---	---	1,49	up
6246803	7068259	1051653	---	---	---	1,77	down
6246839	7082098	1084120	---	---	---	1,55	up
6246840	7180861	1327223	---	---	---	1,20	down
6246870	7088625	1099879	---	---	---	1,46	down
6246939	7179143	1322790	---	---	---	1,06	down
6246990	7331434	1699200	---	---	---	1,17	up
6247043	7340990	1722501	---	---	---	1,09	down
6247094	7297274	1614649	---	---	---	1,44	down
6247151	7196029	1365636	---	---	---	1,67	down
6247182	7186464	1341375	---	---	---	1,07	up
6247444	7049332	1008173	---	---	---	1,08	up
6247626	7040260	986083	---	---	---	1,02	up
6247748	7240569	1475472	---	---	---	1,09	down
6247910	7068697	1052762	---	---	---	2,27	up
6248012	7052933	1016219	---	---	---	1,03	up
6248048	7180620	1326391	---	---	---	1,15	up
6248123	7165954	1288771	---	---	---	1,08	down
6248186	7211363	1402039	---	---	---	1,45	up
6248192	7352046	1750042	---	---	---	1,25	up
6248346	7302018	1626964	---	---	---	1,01	up
6248416	7235521	1462151	---	---	---	1,20	down
6248427	7080106	1079715	---	---	---	1,37	down
6248452	7119930	1177221	---	---	---	1,11	up
6248479	7303616	1631382	---	---	---	1,03	down
6248484	7142081	1230966	---	---	---	1,06	down
6248557	7112225	1157601	---	---	---	1,26	up
6248644	7203872	1384782	---	---	---	1,35	down
6248793	7200545	1376909	---	---	---	1,23	down
6248807	7361042	1772264	---	---	---	1,15	up
6248890	7263248	1530604	---	---	---	1,51	up
6248941	7190534	1351222	---	---	---	1,26	down
6248956	7065823	1045713	---	---	---	1,03	down
6248957	7033541	969977	---	---	---	1,53	down
6249102	7098126	1122961	---	---	---	1,42	down
6249126	7248790	1494554	---	---	---	1,07	up
6249235	7249503	1496229	---	---	---	1,22	up
6249270	7297274	1614655	---	---	---	1,09	up
6249281	7293757	1605679	---	---	---	1,49	up
6249303	7129841	1200834	---	---	---	1,04	down
6249403	7037764	980104	---	---	---	1,09	down
6249410	7176456	1315820	---	---	---	1,47	down
6249427	7188829	1346665	---	---	---	2,02	up
6249451	7067670	1050374	---	---	---	1,66	down
6249456	7249503	1496225	---	---	---	1,10	up
6249458	7286807	1588787	---	---	---	1,10	up
6249502	7097240	1120364	---	---	---	1,14	down
6249538	7330396	1696363	---	---	---	2,26	down
6249573	7183182	1333564	---	---	---	2,14	up
6249675	7268736	1544323	---	---	---	1,04	down
6249961	7321029	1674831	---	---	---	1,21	up
6249971	7084993	1090677	---	---	---	1,18	down
6250018	7068086	1051198	---	---	---	1,01	up
6250029	7225370	1435522	---	---	---	1,06	down
6250078	7181193	1328292	---	---	---	1,34	down

6250080	7240569	1475461	---	---	---	1,24	up
6250082	7210263	1399765	---	---	---	1,63	up
6250179	7236395	1464320	---	---	---	1,19	down
6250186	7180861	1327210	---	---	---	1,93	up
6250289	7061003	1033921	---	---	---	1,15	up
6250326	7320234	1673043	---	---	---	1,39	down
6250331	7067670	1050366	---	---	---	1,19	up
6250561	7293646	1605413	---	---	---	1,21	up
6250661	7072765	1062747	---	---	---	1,02	down
6250735	7243603	1482274	---	---	---	1,07	up
6250754	7200996	1378152	---	---	---	1,36	up
6250786	7145669	1239990	---	---	---	1,42	up
6250816	7144389	1236781	---	---	---	1,52	down
6250848	7086966	1095286	---	---	---	1,12	down
6250885	7290288	1597339	---	---	---	1,42	down
6250941	7071264	1059361	---	---	---	1,17	down
6251035	7050930	1011613	---	---	---	1,02	up
6251152	7303616	1631380	---	---	---	1,01	up
6251197	7339379	1718347	---	---	---	1,39	down
6251425	7243130	1480892	---	---	---	1,35	down
6251582	7276905	1564816	---	---	---	1,41	up
6251595	7127540	1195288	---	---	---	1,09	up
6251613	7117158	1169995	---	---	---	1,13	up
6251624	7233921	1458157	---	---	---	1,71	down
6251633	7092549	1109145	---	---	---	1,09	down
6251660	7080731	1080983	---	---	---	1,11	down
6251666	7217650	1417201	---	---	---	1,63	down
6251756	7363772	1778620	---	---	---	2,14	up
6251885	7380452	1821677	---	---	---	1,40	down
6252016	7321029	1674825	---	---	---	1,48	down
6252302	7071264	1059355	---	---	---	1,81	up
6252320	7186464	1341378	---	---	---	1,14	down
6252385	7088489	1099531	---	---	---	1,04	down
6252426	7217679	1417298	---	---	---	1,19	down
6252494	7031774	964737	---	---	---	1,18	down
6252610	7025652	950339	---	---	---	1,11	up
6252675	7301140	1624582	---	---	---	1,25	up
6252859	7329558	1694418	---	---	---	1,11	up
6252989	7043379	993638	---	---	---	1,09	down
6253052	7059584	1030546	---	---	---	1,06	down
6253119	7243130	1480938	---	---	---	1,07	up
6253292	7049399	1008370	---	---	---	1,11	down
6253307	7342959	1727339	---	---	---	1,05	down
6253318	7279194	1571006	---	---	---	2,32	down
6253393	7112225	1157626	---	---	---	1,21	up
6253423	7384509	1830752	---	---	---	1,14	down
6253438	7107321	1145319	---	---	---	1,13	down
6253682	7244288	1484094	---	---	---	1,24	up
6253734	7038316	981460	---	---	---	1,05	down
6253926	7263652	1531629	---	---	---	1,62	down
6254003	7279073	1570681	---	---	---	1,09	down
6254006	7069142	1053877	---	---	---	1,03	up
6254150	7144135	1236326	---	---	---	1,07	down
6254183	7211363	1402036	---	---	---	1,27	up
6254211	7189689	1349057	---	---	---	1,42	up
6254245	7082832	1085760	---	---	---	1,43	up

6254249	7384073	1829463	---	---	---	1,31	up
6254301	7148978	1248539	---	---	---	1,69	up
6254337	7196029	1365609	---	---	---	1,48	down
6254439	7039265	983658	---	---	---	2,45	up
6254473	7236395	1464335	---	---	---	1,15	up
6254480	7087965	1098055	---	---	---	1,12	down
6254544	7052385	1014805	---	---	---	1,10	down
6254553	7329135	1693500	---	---	---	1,11	up
6254739	7331829	1700181	---	---	---	1,06	up
6254872	7090278	1104134	---	---	---	1,19	down
6254889	7312566	1653298	---	---	---	1,05	down
6255029	7253408	1505945	---	---	---	1,00	down
6255062	7373417	1805109	---	---	---	1,08	down
6255107	7230698	1449061	---	---	---	1,30	down
6255127	7108551	1148696	---	---	---	2,14	up
6255163	7236991	1465780	---	---	---	1,26	up
6255181	7090278	1104135	---	---	---	1,02	down
6255196	7213945	1407853	---	---	---	1,08	down
6255213	7099517	1126490	---	---	---	1,01	up
6255242	7232340	1453530	---	---	---	1,08	up
6255293	7267802	1541741	---	---	---	1,04	down
6255330	7040260	986075	---	---	---	1,03	down
6255390	7312338	1652767	---	---	---	1,32	down
6255397	7092965	1110191	---	---	---	1,12	down
6255687	7198325	1371334	---	---	---	1,28	up
6255991	7217747	1417496	---	---	---	1,44	down
6256084	7380497	1821822	---	---	---	1,03	up
6256197	7331413	1699138	---	---	---	1,06	up
6256240	7230611	1448803	---	---	---	1,06	up
6256385	7336250	1710171	---	---	---	1,11	up
6256413	7202550	1381604	---	---	---	1,39	down
6256628	7194172	1361182	---	---	---	1,43	up
6256753	7361223	1772615	---	---	---	2,45	up
6256896	7082098	1084107	---	---	---	1,00	down
6256901	7087965	1098030	---	---	---	1,09	down
6256990	7217679	1417299	---	---	---	1,69	down
6257036	7087805	1097471	---	---	---	1,33	down
6257141	7344836	1732409	---	---	---	1,05	up
6257173	7139709	1225074	---	---	---	1,28	down
6257190	7373906	1806350	---	---	---	1,22	down
6257199	7202550	1381606	---	---	---	2,26	down
6257254	7339286	1718108	---	---	---	1,50	up
6257336	7362184	1774822	---	---	---	1,12	up
6257573	7233359	1456515	---	---	---	1,06	up
6257594	7055876	1022500	---	---	---	1,12	down
6257867	7293234	1604332	---	---	---	1,19	down
6257876	7148271	1246646	---	---	---	1,16	up
6257878	7099030	1125339	---	---	---	1,26	up
6257958	7267380	1540433	---	---	---	1,04	down
6258018	7108300	1147909	---	---	---	1,20	down
6258092	7279568	1572036	---	---	---	1,01	up
6258103	7062173	1037000	---	---	---	1,09	down
6258105	7184850	1337606	---	---	---	1,22	down
6258124	7065266	1044581	---	---	---	1,24	up
6258145	7102976	1135050	---	---	---	1,14	down
6258310	7036412	976866	---	---	---	1,01	down

6258369	7307721	1642004	---	---	---	1,15	down
6258417	7234195	1458977	---	---	---	1,04	up
6258432	7191382	1353516	---	---	---	1,25	up
6258447	7120827	1179350	---	---	---	1,34	down
6258520	7094346	1113394	---	---	---	2,11	up
6258521	7037764	980084	---	---	---	1,13	up
6258539	7233440	1456838	---	---	---	1,13	up
6258545	7289909	1596508	---	---	---	1,20	down
6258611	7279533	1571917	---	---	---	1,20	down
6258777	7367990	1789222	---	---	---	2,51	up
6258778	7316644	1664042	---	---	---	1,35	up
6258826	7060195	1031972	---	---	---	1,12	down
6258830	7113483	1161008	---	---	---	1,71	up
6258836	7264085	1532719	---	---	---	1,02	up
6258935	7129841	1200836	---	---	---	2,18	up
6259012	7236358	1464257	---	---	---	1,05	up
6259405	7104955	1140124	---	---	---	2,22	down
6259544	7292517	1602549	---	---	---	1,23	up
6259579	7243603	1482267	---	---	---	1,37	up
6259602	7264085	1532719	---	---	---	1,21	down
6259644	7297589	1615682	---	---	---	1,04	down
6259678	7235069	1460991	---	---	---	2,26	down
6259696	7231835	1452284	---	---	---	1,00	down
6259848	7049399	1008328	---	---	---	1,17	down
6259889	7326612	1687196	---	---	---	1,33	down
6259914	7316644	1664059	---	---	---	1,10	up
6259989	7049399	1008391	---	---	---	1,07	down
6260050	7352100	1750204	---	---	---	1,65	down
6260051	7369712	1794822	---	---	---	1,20	down
6260101	7340757	1721896	---	---	---	2,04	down
6260105	7236987	1465732	---	---	---	1,10	up
6260106	7131550	1205563	---	---	---	1,13	up
6260119	7243130	1480935	---	---	---	1,45	up
6260210	7311218	1650342	---	---	---	1,12	down
6260255	7373658	1805802	---	---	---	1,10	up
6260482	7330659	1697060	---	---	---	1,42	down
6260525	7068853	1053107	---	---	---	1,19	up
6260769	7341546	1723973	---	---	---	1,30	down
6260858	7357815	1764148	---	---	---	1,19	down
6260901	7132125	1206614	---	---	---	1,01	down
6261045	7162144	1280508	---	---	---	1,09	up
6261197	7156061	1265840	---	---	---	1,15	up
6261256	7076236	1071203	---	---	---	1,21	down
6261484	7234434	1459418	---	---	---	2,05	down
6261505	7168858	1296830	---	---	---	1,07	down
6261562	7087492	1096705	---	---	---	1,16	up
6261603	7095008	1115053	---	---	---	2,09	down
6261743	7111181	1155223	---	---	---	1,02	up
6261744	7184981	1337834	---	---	---	1,17	down
6261781	7305674	1636854	---	---	---	1,08	down
6261907	7064224	1041781	---	---	---	1,49	up
6261949	7025652	950352	---	---	---	1,33	up
6261950	7249503	1496170	---	---	---	1,16	up
6261974	7180721	1326697	---	---	---	1,17	down
6262119	7294151	1606612	---	---	---	1,48	down
6262128	7168858	1296842	---	---	---	1,08	up

6262241	7289382	1595194	---	---	---	1,02	up
6262597	7373906	1806363	---	---	---	1,11	down
6262764	7050710	1011173	---	---	---	1,34	up
6262862	7373732	1805974	---	---	---	1,00	down
6262873	7373038	1804289	---	---	---	1,21	up
6262980	7224035	1432401	---	---	---	1,09	down
6263014	7249503	1496193	---	---	---	1,17	down
6263128	7314115	1657311	---	---	---	1,59	down
6263267	7243130	1480858	---	---	---	1,07	down
6263278	7240569	1475395	---	---	---	1,39	down
6263291	7086522	1093957	---	---	---	2,12	down
6263332	7210713	1400753	---	---	---	1,40	down
6263452	7072225	1061405	---	---	---	1,22	up
6263474	7323560	1680036	---	---	---	1,83	down
6263695	7307485	1641385	---	---	---	1,73	up
6263712	7036412	976861	---	---	---	2,02	down
6263766	7328695	1692357	---	---	---	1,12	up
6263825	7156061	1265831	---	---	---	1,59	down
6263973	7258345	1518539	---	---	---	2,63	up
6264131	7280743	1574528	---	---	---	1,30	down
6264163	7231152	1450226	---	---	---	1,76	up
6264204	7370001	1795761	---	---	---	1,03	up
6264210	7070616	1057795	---	---	---	1,42	up
6264243	7238115	1468608	---	---	---	1,02	up
6264275	7331719	1699917	---	---	---	1,19	down
6264342	7056333	1023688	---	---	---	1,10	down
6264610	7276650	1564142	---	---	---	2,13	down
6264652	7189574	1348709	---	---	---	1,14	down
6264695	7111361	1155578	---	---	---	1,13	up
6264707	7236991	1465821	---	---	---	2,38	down
6264716	7174149	1310495	---	---	---	1,18	down
6264841	7331434	1699202	---	---	---	1,06	down
6264850	7264797	1534422	---	---	---	1,00	up
6265004	7070869	1058495	---	---	---	1,02	up
6265031	7360325	1770519	---	---	---	1,18	up
6265039	7360486	1770947	---	---	---	1,30	down
6265073	7108345	1148081	---	---	---	1,02	up
6265177	7318596	1668935	---	---	---	1,07	up
6265185	7240569	1475464	---	---	---	1,32	up
6265207	7071714	1060363	---	---	---	1,16	down
6265211	7209927	1398943	---	---	---	1,04	up
6265213	7352046	1750036	---	---	---	2,02	down
6265295	7303616	1631331	---	---	---	1,03	down
6265298	7365093	1781624	---	---	---	2,17	up
6265386	7175368	1313282	---	---	---	1,14	up
6265516	7314270	1657752	---	---	---	1,10	up
6265669	7175355	1313244	---	---	---	2,00	down
6265747	7116614	1168790	---	---	---	1,12	down
6265780	7098366	1123625	---	---	---	1,15	up
6266091	7253408	1505944	---	---	---	1,69	up
6266168	7189689	1349041	---	---	---	1,08	down
6266214	7373906	1806362	---	---	---	1,21	down
6266298	7240569	1475510	---	---	---	1,26	down
6266374	7181193	1328300	---	---	---	1,20	down
6266383	7099294	1126099	---	---	---	1,40	up
6266459	7331297	1698802	---	---	---	1,27	down

6266501	7091954	1107727	---	---	---	1,16	down
6266629	7038316	981462	---	---	---	1,03	up
6266685	7367959	1789070	---	---	---	3,16	up
6266727	7099573	1126730	---	---	---	1,56	up
6266786	7180861	1327185	---	---	---	1,01	down
6266811	7361420	1773040	---	---	---	1,23	up
6267153	7329846	1695000	---	---	---	1,00	down
6267159	7072332	1061646	---	---	---	2,11	up
6267206	7199476	1374556	---	---	---	1,20	up
6267248	7326612	1687197	---	---	---	1,01	up
6267402	7036870	977870	---	---	---	1,20	up
6267523	7274593	1558816	---	---	---	1,04	up
6267563	7067670	1050312	---	---	---	1,65	up
6267711	7226232	1437738	---	---	---	1,84	down
6267727	7199341	1374145	---	---	---	1,01	up
6267787	7025652	950337	---	---	---	1,03	down
6267880	7342414	1726093	---	---	---	1,51	up
6267919	7231835	1452282	---	---	---	1,02	up
6267959	7247229	1490559	---	---	---	1,28	down
6268045	7117187	1170157	---	---	---	1,03	down
6268199	7098077	1122729	---	---	---	1,15	down
6268210	7331413	1699132	---	---	---	1,34	up
6268231	7319259	1670398	---	---	---	1,11	up
6268325	7163002	1282282	---	---	---	1,14	up
6268355	7256191	1512866	---	---	---	1,02	down
6268390	7281140	1575714	---	---	---	1,41	up
6268470	7343122	1727731	---	---	---	1,20	down
6268538	7331297	1698810	---	---	---	2,14	up
6268910	7031774	964770	---	---	---	1,25	down
6268917	7061367	1034828	---	---	---	1,30	down
6269011	7289856	1596357	---	---	---	1,80	down
6269244	7330396	1696355	---	---	---	1,03	up
6269462	7131360	1204989	---	---	---	1,20	down
6269516	7172988	1307278	---	---	---	1,02	up
6269686	7334331	1705688	---	---	---	1,01	down
6269693	7293402	1604809	---	---	---	1,55	up
6269697	7300906	1624048	---	---	---	1,19	up
6269731	7358048	1764809	---	---	---	1,13	up
6269798	7237438	1466795	---	---	---	1,11	up
6269844	7368004	1789336	---	---	---	1,42	up
6269910	7237719	1467482	---	---	---	1,03	down
6269955	7200545	1376911	---	---	---	1,06	up
6269975	7340057	1720330	---	---	---	1,46	down
6270025	7092965	1110203	---	---	---	1,12	up
6270029	7337845	1714339	---	---	---	1,10	down
6270100	7167883	1294108	---	---	---	1,05	down
6270396	7052385	1014782	---	---	---	1,51	down
6270449	7376206	1811979	---	---	---	1,12	down
6270465	7197056	1367839	---	---	---	1,18	up
6270762	7033672	970344	---	---	---	1,45	up
6270791	7294151	1606601	---	---	---	1,24	down
6270796	7177520	1318622	---	---	---	1,12	down
6270819	7229886	1447152	---	---	---	1,42	down
6271002	7098126	1122957	---	---	---	1,39	up
6271075	7174149	1310489	---	---	---	1,01	up
6271136	7330727	1697144	---	---	---	1,05	up

6271275	7365183	1781935	---	---	---	1,13	up
6271374	7265259	1535444	---	---	---	1,14	up
6271510	7197056	1367847	---	---	---	1,67	down
6271530	7247954	1492400	---	---	---	1,06	down
6271598	7217747	1417487	---	---	---	1,65	up
6271638	7254040	1507583	---	---	---	1,52	up
6271754	7087805	1097470	---	---	---	1,22	up
6271825	7373633	1805715	---	---	---	1,21	up
6272078	7181169	1328125	---	---	---	1,16	up
6272111	7076972	1073179	---	---	---	1,13	up
6272117	7253088	1505123	---	---	---	1,30	down
6272194	7119930	1177215	---	---	---	1,21	up
6272233	7186106	1340492	---	---	---	1,21	up
6272440	7068259	1051660	---	---	---	1,38	down
6272472	7244288	1484128	---	---	---	1,61	down
6272476	7109373	1150919	---	---	---	1,04	down
6272530	7059584	1030542	---	---	---	2,08	down
6272619	7088164	1098488	---	---	---	1,09	up
6272724	7088164	1098478	---	---	---	1,06	up
6272732	7087492	1096696	---	---	---	1,00	up
6272735	7171525	1303444	---	---	---	1,43	up
6272758	7072552	1062137	---	---	---	1,24	down
6272780	7111573	1156015	---	---	---	1,12	down
6272849	7043535	994102	---	---	---	1,52	up
6272874	7053874	1018330	---	---	---	1,03	up
6273029	7288095	1592047	---	---	---	2,11	down
6273133	7174281	1310845	---	---	---	1,62	up
6273258	7174149	1310511	---	---	---	1,00	up
6273277	7037235	978586	---	---	---	1,28	up
6273283	7354688	1756377	---	---	---	1,59	up
6273445	7049399	1008422	---	---	---	1,53	down
6273461	7040260	986050	---	---	---	1,24	down
6273475	7247334	1490821	---	---	---	1,23	down
6273523	7297589	1615672	---	---	---	1,24	up
6273706	7154655	1262336	---	---	---	1,17	down
6273764	7233012	1455403	---	---	---	1,06	down
6273813	7198210	1370950	---	---	---	1,65	down
6273844	7162177	1280583	---	---	---	1,12	up
6273908	7303616	1631362	---	---	---	1,12	up
6273957	7151063	1253073	---	---	---	1,92	up
6273998	7060851	1033363	---	---	---	1,18	up
6274010	7358053	1764837	---	---	---	1,26	down
6274060	7303616	1631348	---	---	---	1,24	down
6274282	7065265	1044563	---	---	---	1,21	up
6274389	7286807	1588808	---	---	---	1,80	down
6274462	7099650	1126884	---	---	---	1,59	up
6274472	7245695	1487069	---	---	---	1,24	up
6274512	7108345	1148084	---	---	---	1,13	up
6274633	7316644	1664032	---	---	---	1,40	up
6274990	7065265	1044568	---	---	---	1,21	down
6275054	7226241	1437785	---	---	---	1,24	up
6275169	7244290	1484164	---	---	---	1,04	down
6275280	7148978	1248538	---	---	---	1,13	down
6275417	7096859	1119314	---	---	---	1,28	down
6275451	7230698	1449070	---	---	---	1,41	down
6275552	7240569	1475405	---	---	---	1,02	down

6275597	7237992	1468282	---	---	---	1,11	up
6275701	7258784	1519670	---	---	---	1,44	up
6275778	7112566	1158635	---	---	---	1,89	down
6275814	7107066	1144783	---	---	---	1,29	up
6275828	7299512	1620555	---	---	---	1,01	down
6275830	7267953	1542259	---	---	---	1,40	up
6275836	7119930	1177218	---	---	---	1,07	up
6275841	7080731	1080979	---	---	---	1,26	up
6275864	7340838	1722074	---	---	---	1,40	up
6275927	7117158	1170038	---	---	---	1,14	down
6276071	7243603	1482273	---	---	---	1,25	up
6276120	7049399	1008349	---	---	---	1,21	down
6276162	7033504	969846	---	---	---	1,12	down
6276312	7059375	1030050	---	---	---	1,44	up
6276315	7308679	1644238	---	---	---	2,79	down
6276328	7108345	1148077	---	---	---	1,26	up
6276441	7049399	1008318	---	---	---	1,05	down
6276595	7111573	1156036	---	---	---	1,22	down
6276600	7059584	1030544	---	---	---	1,15	down
6276671	7156052	1265771	---	---	---	1,21	up
6277179	7217650	1417173	---	---	---	1,02	down
6277217	7059584	1030559	---	---	---	1,04	down
6277241	7053874	1018309	---	---	---	1,00	up
6277322	7148978	1248533	---	---	---	1,07	down
6277425	7384509	1830747	---	---	---	1,25	up
6277429	7088489	1099524	---	---	---	1,74	up
6277450	7231835	1452292	---	---	---	1,01	up
6277476	7343122	1727738	---	---	---	1,22	up
6277515	7307721	1642005	---	---	---	1,04	up
6277596	7185622	1339223	---	---	---	1,07	up
6277660	7084993	1090669	---	---	---	1,04	down
6277717	7034293	971987	---	---	---	1,55	down
6277774	7270574	1548528	---	---	---	1,79	down
6277856	7367994	1789254	---	---	---	1,03	up
6277886	7073577	1064765	---	---	---	1,08	up
6277984	7071616	1060071	---	---	---	1,08	up
6278004	7267802	1541816	---	---	---	1,19	down
6278018	7243130	1480869	---	---	---	1,25	down
6278019	7165954	1288770	---	---	---	1,24	down
6278037	7278957	1570394	---	---	---	1,31	down
6278056	7156044	1265716	---	---	---	1,09	down
6278070	7373732	1805972	---	---	---	1,23	up
6278079	7243647	1482464	---	---	---	1,37	down
6278196	7050557	1010798	---	---	---	1,14	up
6278224	7258545	1518929	---	---	---	1,02	up
6278301	7068073	1051171	---	---	---	1,26	down
6278325	7089238	1101666	---	---	---	1,80	down
6278327	7065265	1044574	---	---	---	1,21	down
6278396	7238115	1468570	---	---	---	1,24	up
6278457	7199476	1374545	---	---	---	1,02	down
6278520	7248964	1494949	---	---	---	1,50	down
6278581	7184850	1337598	---	---	---	1,08	up
6278614	7033672	970361	---	---	---	1,43	down
6278791	7167823	1293873	---	---	---	2,25	up
6278884	7369712	1794835	---	---	---	1,55	up
6278917	7068259	1051656	---	---	---	1,15	up

6278926	7350237	1745490	---	---	---	1,03	down
6279031	7039463	984246	---	---	---	1,27	up
6279033	7263152	1530369	---	---	---	1,11	down
6279124	7170832	1301797	---	---	---	1,63	down
6279196	7189689	1349050	---	---	---	1,10	down
6279264	7174149	1310522	---	---	---	2,03	up
6279365	7247749	1491881	---	---	---	1,05	up
6279395	7355421	1758518	---	---	---	2,07	up
6279427	7096924	1119622	---	---	---	1,22	down
6279479	7249503	1496197	---	---	---	1,07	up
6279504	7108300	1147916	---	---	---	1,23	down
6279533	7076160	1070870	---	---	---	1,21	up
6279557	7273251	1555960	---	---	---	2,05	down
6279588	7098126	1122970	---	---	---	1,10	down
6279635	7297483	1615279	---	---	---	1,43	down
6279639	7139026	1223512	---	---	---	1,33	up
6279710	7161841	1279879	---	---	---	1,07	down
6279785	7080106	1079723	---	---	---	1,05	down
6279847	7150348	1251421	---	---	---	1,07	down
6279915	7107926	1146837	---	---	---	1,09	down
6280037	7180861	1327223	---	---	---	1,29	up
6280259	7043535	994091	---	---	---	1,03	up
6280292	7031618	964198	---	---	---	1,64	down
6280458	7119930	1177224	---	---	---	1,05	up
6280500	7303616	1631355	---	---	---	1,06	down
6280597	7141061	1228722	---	---	---	1,43	down
6280639	7303616	1631321	---	---	---	1,19	down
6280755	7138255	1221709	---	---	---	2,78	down
6280826	7247954	1492404	---	---	---	1,23	up
6280922	7291054	1599390	---	---	---	1,06	down
6280999	7248964	1494951	---	---	---	1,14	up
6281004	7305674	1636854	---	---	---	1,28	up
6281019	7030518	961672	---	---	---	1,08	up
6281031	7368004	1789330	---	---	---	1,01	down
6281055	7236395	1464338	---	---	---	1,16	up
6281088	7078666	1076514	---	---	---	1,05	up
6281112	7341253	1723255	---	---	---	1,68	down
6281196	7225553	1435990	---	---	---	1,10	down
6281199	7243647	1482433	---	---	---	1,04	up
6281203	7107926	1146833	---	---	---	1,18	down
6281215	7331297	1698810	---	---	---	1,71	down
6281398	7307485	1641329	---	---	---	1,24	up
6281424	7032074	965639	---	---	---	1,08	up
6281794	7341253	1723298	---	---	---	1,22	down
6281803	7034756	973207	---	---	---	1,07	down
6281836	7073950	1065867	---	---	---	2,43	up
6281862	7315206	1660029	---	---	---	1,37	up
6281923	7358859	1766999	---	---	---	1,61	up
6282099	7248790	1494488	---	---	---	1,01	down
6282165	7235426	1461846	---	---	---	1,00	down
6282254	7255663	1511711	---	---	---	1,38	up
6282275	7313411	1655441	---	---	---	1,02	down
6282391	7274892	1559583	---	---	---	1,01	up
6282651	7060851	1033397	---	---	---	1,08	up
6282678	7065655	1045248	---	---	---	1,19	up
6282692	7350237	1745487	---	---	---	1,17	up

6282755	7363132	1776959	---	---	---	2,27	down
6282827	7127540	1195275	---	---	---	1,18	down
6282928	7056333	1023705	---	---	---	1,25	up
6283270	7101643	1131567	---	---	---	1,34	down
6283323	7167507	1293119	---	---	---	1,12	up
6283338	7115880	1166826	---	---	---	1,23	up
6283363	7243603	1482291	---	---	---	2,33	down
6283370	7095021	1115136	---	---	---	1,08	up
6283432	7307721	1642001	---	---	---	1,12	up
6283473	7287222	1589737	---	---	---	1,05	up
6283629	7368565	1791273	---	---	---	1,48	down
6283830	7253408	1505955	---	---	---	2,06	down
6283847	7080134	1079806	---	---	---	1,08	down
6283964	7235069	1460992	---	---	---	1,20	up
6284059	7321029	1674804	---	---	---	1,03	down
6284111	7338101	1715193	---	---	---	1,25	up
6284220	7136062	1216295	---	---	---	1,09	up
6284244	7071714	1060351	---	---	---	1,15	down
6284262	7290793	1598626	---	---	---	1,15	down
6284446	7091954	1107728	---	---	---	1,51	up
6284461	7253453	1506154	---	---	---	1,08	up
6284604	7142693	1232470	---	---	---	2,08	down
6284652	7324337	1682058	---	---	---	3,01	down
6284683	7039223	983568	---	---	---	1,53	down
6284706	7148904	1248293	---	---	---	1,28	down
6284907	7340838	1722066	---	---	---	1,44	down
6284917	7096859	1119304	---	---	---	1,36	down
6284934	7319937	1672277	---	---	---	1,05	down
6285032	7329135	1693491	---	---	---	1,04	down
6285206	7148978	1248509	---	---	---	1,13	up
6285305	7218728	1419916	---	---	---	1,25	down
6285330	7236395	1464352	---	---	---	1,06	up
6285353	7037764	980034	---	---	---	1,05	down
6285361	7036412	976871	---	---	---	1,43	up
6285362	7049399	1008347	---	---	---	1,04	up
6285412	7168519	1295885	---	---	---	1,52	down
6285703	7279533	1571916	---	---	---	1,18	down
6285729	7083030	1086247	---	---	---	1,18	up
6285737	7360486	1771020	---	---	---	1,43	down
6285814	7378997	1818638	---	---	---	1,07	down
6285839	7043535	994113	---	---	---	1,01	down
6286120	7285897	1586640	---	---	---	1,18	down
6286175	7231775	1452132	---	---	---	1,44	up
6286304	7341002	1722532	---	---	---	1,23	up
6286309	7233440	1456830	---	---	---	1,42	up
6286316	7367994	1789243	---	---	---	1,00	down
6286332	7323545	1679937	---	---	---	1,09	down
6286370	7099156	1125634	---	---	---	1,40	down
6286528	7123357	1185595	---	---	---	1,25	up
6286737	7052813	1015929	---	---	---	2,46	down
6286909	7339379	1718330	---	---	---	1,81	up
6287161	7200996	1378150	---	---	---	2,12	up
6287241	7049399	1008353	---	---	---	2,01	down
6287399	7088489	1099520	---	---	---	2,29	up
6287422	7078666	1076535	---	---	---	1,69	down
6287440	7356115	1760128	---	---	---	1,20	down

6287511	7098411	1123738	---	---	---	1,22	down
6287606	7240232	1474409	---	---	---	1,42	down
6287608	7363922	1778856	---	---	---	1,06	up
6287996	7233440	1456909	---	---	---	1,18	up
6288117	7065265	1044564	---	---	---	2,42	down
6288243	7303616	1631377	---	---	---	1,11	up
6288280	7360486	1770968	---	---	---	1,07	up
6288312	7034756	973228	---	---	---	1,11	down
6288326	7098126	1122979	---	---	---	1,27	up
6288405	7112225	1157619	---	---	---	1,34	down
6288417	7153589	1259085	---	---	---	1,54	up
6288442	7248790	1494559	---	---	---	1,15	up
6288519	7064732	1042907	---	---	---	1,70	down
6288528	7180732	1326740	---	---	---	1,02	up
6288607	7049332	1008173	---	---	---	1,31	up
6288656	7034756	973228	---	---	---	1,01	down
6288729	7243653	1482533	---	---	---	1,26	up
6288763	7041584	989461	---	---	---	1,66	down
6288892	7243130	1480930	---	---	---	1,04	up
6288907	7029770	960154	---	---	---	1,33	up
6288983	7027728	956052	---	---	---	1,11	down
6289013	7043379	993627	---	---	---	1,45	up
6289077	7071616	1060071	---	---	---	2,01	down
6289080	7025652	950253	---	---	---	1,01	up
6289117	7132834	1208324	---	---	---	1,42	down
6289340	7378997	1818679	---	---	---	1,11	up
6289374	7198644	1372299	---	---	---	1,05	down
6289484	7198210	1370967	---	---	---	1,81	down
6289527	7144389	1236780	---	---	---	1,51	down
6289677	7345465	1733865	---	---	---	1,19	up
6289912	7382452	1826158	---	---	---	1,73	up
6289951	7343122	1727725	---	---	---	1,24	up
6289958	7032444	966756	---	---	---	1,44	down
6290052	7119930	1177202	---	---	---	1,69	down
6290191	7096589	1118509	---	---	---	1,12	down
6290421	7136977	1218819	---	---	---	1,65	up
6290478	7273251	1555959	---	---	---	1,20	down
6290549	7059766	1030972	---	---	---	1,07	up
6290565	7267802	1541815	---	---	---	1,22	down
6290608	7231775	1452130	---	---	---	1,36	down
6290666	7179785	1324498	---	---	---	1,28	down
6290739	7275103	1560183	---	---	---	1,19	down
6290751	7099650	1126879	---	---	---	1,24	down
6290810	7050167	1009815	---	---	---	1,00	up
6290824	7253272	1505700	---	---	---	1,10	down
6290890	7098451	1123811	---	---	---	1,63	up
6290895	7247334	1490816	---	---	---	1,04	up
6290915	7281923	1577700	---	---	---	1,17	up
6291003	7260636	1524346	---	---	---	1,03	down
6291086	7273744	1556989	---	---	---	1,85	down
6291133	7039302	983850	---	---	---	1,27	up
6291200	7117158	1170036	---	---	---	1,28	up
6291252	7148978	1248535	---	---	---	1,20	up
6291391	7152038	1255394	---	---	---	1,29	up
6291487	7260613	1524276	---	---	---	1,07	up
6291541	7358859	1766961	---	---	---	1,01	down

6291573	7278957	1570394	---	---	---	1,39	up
6291758	7038530	981861	---	---	---	1,19	up
6291832	7070616	1057791	---	---	---	1,49	down
6291894	7253408	1505953	---	---	---	1,39	up
6291897	7384509	1830730	---	---	---	1,47	down
6291899	7282343	1578679	---	---	---	1,01	up
6291968	7049399	1008386	---	---	---	1,35	down
6292022	7217747	1417482	---	---	---	1,01	down
6292095	7143455	1234739	---	---	---	1,05	up
6292285	7316644	1664018	---	---	---	2,85	down
6292291	7041609	989561	---	---	---	1,03	up
6292331	7176456	1315843	---	---	---	1,19	up
6292351	7103782	1136947	---	---	---	1,24	down
6292373	7222221	1428061	---	---	---	1,12	down
6292386	7031325	963572	---	---	---	2,09	down
6292409	7341394	1723612	---	---	---	1,61	down
6292440	7315571	1660976	---	---	---	1,06	down
6292471	7181193	1328288	---	---	---	1,60	up
6292661	7373417	1805092	---	---	---	1,12	up
6292800	7236987	1465738	---	---	---	1,27	down
6292860	7334347	1705756	---	---	---	1,26	down
6292908	7297589	1615674	---	---	---	1,20	up
6292919	7282343	1578686	---	---	---	1,31	down
6292939	7068504	1052161	---	---	---	1,10	down
6292971	7367971	1789126	---	---	---	1,27	up
6292999	7363576	1778175	---	---	---	2,01	down
6293083	7253272	1505574	---	---	---	1,04	up
6293157	7033504	969867	---	---	---	1,13	up
6293172	7091954	1107704	---	---	---	1,05	down
6293270	7334347	1705749	---	---	---	1,72	down
6293316	7058713	1028666	---	---	---	1,37	down
6293326	7333462	1703637	---	---	---	1,16	down
6293483	7236358	1464261	---	---	---	1,07	up
6293570	7186305	1341002	---	---	---	1,38	down
6293765	7156978	1268179	---	---	---	1,38	up
6293778	7343052	1727504	---	---	---	1,01	down
6293802	7041609	989582	---	---	---	1,47	down
6293834	7376566	1812870	---	---	---	1,09	up
6293872	7174149	1310535	---	---	---	1,01	up
6293903	7212735	1405002	---	---	---	1,02	up
6294090	7153589	1259095	---	---	---	1,08	up
6294134	7056333	1023672	---	---	---	1,31	down
6294230	7267802	1541800	---	---	---	1,30	up
6294323	7184850	1337612	---	---	---	1,10	up
6294344	7253408	1505955	---	---	---	1,10	down
6294445	7139026	1223496	---	---	---	1,05	up
6294526	7218728	1419927	---	---	---	2,85	up
6294527	7254405	1508638	---	---	---	1,87	down
6294607	7198644	1372355	---	---	---	1,01	down
6294643	7243647	1482465	---	---	---	1,25	down
6294719	7070836	1058331	---	---	---	1,43	down
6294783	7068259	1051632	---	---	---	1,22	down
6294814	7378997	1818649	---	---	---	1,23	down
6294844	7218728	1419926	---	---	---	1,71	down
6294854	7378637	1817829	---	---	---	1,60	down
6294883	7072754	1062665	---	---	---	1,11	down

6294892	7170764	1301490	---	---	---	2,05	down
6294950	7351953	1749880	---	---	---	1,12	down
6294951	7080106	1079718	---	---	---	2,07	down
6295008	7287222	1589716	---	---	---	1,05	up
6295229	7334347	1705779	---	---	---	1,34	down
6295296	7365183	1781909	---	---	---	1,29	up
6295348	7319065	1669976	---	---	---	1,12	down
6295428	7036412	976856	---	---	---	1,03	up
6295502	7134773	1212969	---	---	---	6,30	down
6295509	7240232	1474428	---	---	---	2,05	down
6295554	7356115	1760130	---	---	---	1,17	up
6295625	7251608	1501455	---	---	---	1,03	up
6295626	7038610	982077	---	---	---	2,06	down
6295756	7282343	1578665	---	---	---	1,37	down
6295979	7279568	1572027	---	---	---	1,03	down
6295989	7360486	1770935	---	---	---	2,71	down
6296034	7060851	1033377	---	---	---	1,05	down
6296045	7200545	1376928	---	---	---	1,20	up
6296237	7339379	1718321	---	---	---	1,02	down
6296245	7243130	1480906	---	---	---	1,40	up
6296288	7049332	1008175	---	---	---	1,09	down
6296308	7076236	1071183	---	---	---	1,26	up
6296358	7302786	1628863	---	---	---	1,06	down
6296389	7337224	1712602	---	---	---	1,03	up
6296397	7216309	1413742	---	---	---	1,16	down
6296440	7243653	1482554	---	---	---	1,69	down
6296451	7277719	1567084	---	---	---	1,21	up
6296510	7286807	1588830	---	---	---	1,06	down
6296533	7146093	1240951	---	---	---	1,22	up
6296541	7076236	1071196	---	---	---	1,07	down
6296776	7043379	993638	---	---	---	1,05	down
6297015	7279568	1572019	---	---	---	1,22	down
6297172	7286807	1588785	---	---	---	1,62	down
6297553	7367994	1789244	---	---	---	1,24	up
6297555	7065655	1045243	---	---	---	2,25	down
6297562	7351951	1749848	---	---	---	1,33	down
6297582	7032204	966174	---	---	---	1,34	up
6297646	7316644	1664007	---	---	---	1,04	down
6297667	7336727	1711288	---	---	---	1,09	up
6297782	7169599	1298449	---	---	---	1,15	down
6297819	7041584	989458	---	---	---	1,95	up
6297915	7338807	1716820	---	---	---	1,02	down
6297966	7098867	1124950	---	---	---	1,10	up
6298001	7240569	1475375	---	---	---	1,35	up
6298006	7107926	1146832	---	---	---	1,13	down
6298103	7119930	1177215	---	---	---	1,18	down
6298155	7303616	1631368	---	---	---	1,05	up
6298165	7070836	1058354	---	---	---	1,33	up
6298295	7156114	1266043	---	---	---	1,37	down
6298301	7359453	1768450	---	---	---	1,20	down
6298452	7098077	1122807	---	---	---	1,29	down
6298635	7284153	1583018	---	---	---	1,30	up
6298821	7093936	1112477	---	---	---	1,28	up
6298905	7266706	1538746	---	---	---	2,96	down
6298907	7088432	1099412	---	---	---	1,28	down
6298917	7052933	1016212	---	---	---	1,03	up

6298929	7243363	1481587	---	---	---	1,26	up
6298972	7174149	1310490	---	---	---	1,14	up
6299063	7341397	1723622	---	---	---	1,01	up
6299087	7062927	1038630	---	---	---	1,11	up
6299208	7243647	1482445	---	---	---	1,28	down
6299333	7287222	1589739	---	---	---	1,12	up
6299394	7338101	1715190	---	---	---	2,15	down
6299420	7130889	1203863	---	---	---	1,14	down
6299428	7088625	1099869	---	---	---	1,03	down
6299459	7193644	1359709	---	---	---	1,30	down
6299462	7193987	1360670	---	---	---	1,09	up
6299505	7340838	1722084	---	---	---	1,09	down
6299533	7330238	1695937	---	---	---	1,17	down
6299582	7281950	1577782	---	---	---	1,30	up
6299588	7231203	1450473	---	---	---	1,03	down
6299604	7240569	1475363	---	---	---	1,00	up
6299625	7112225	1157576	---	---	---	1,00	up
6299761	7297589	1615681	---	---	---	1,11	up
6299815	7083021	1086215	---	---	---	1,23	up
6299817	7276650	1564134	---	---	---	1,09	up
6300208	7073577	1064761	---	---	---	1,10	up
6300277	7036412	976853	---	---	---	1,02	down
6300374	7301022	1624253	---	---	---	1,22	down
6300403	7099517	1126495	---	---	---	1,17	down
6300458	7374740	1808620	---	---	---	1,01	down
6300569	7025652	950338	---	---	---	1,64	down
6300680	7229856	1447073	---	---	---	1,00	up
6300704	7117187	1170159	---	---	---	1,00	up
6300758	7068259	1051618	---	---	---	1,78	down
6300762	7176177	1315139	---	---	---	1,31	up
6300933	7279533	1571916	---	---	---	1,11	up
6300988	7287337	1589970	---	---	---	1,36	down
6301175	7233440	1456866	---	---	---	1,04	up
6301181	7343122	1727729	---	---	---	1,25	up
6301245	7356333	1760498	---	---	---	1,10	up
6301305	7067670	1050319	---	---	---	1,07	down
6301337	7248964	1494938	---	---	---	1,44	down
6301342	7156052	1265759	---	---	---	1,14	up
6301409	7213908	1407693	---	---	---	1,52	up
6301582	7234040	1458501	---	---	---	1,02	up
6301652	7141061	1228644	---	---	---	1,01	down
6301684	7330238	1695963	---	---	---	1,16	down
6301703	7359426	1768381	---	---	---	1,28	down
6301711	7062173	1037000	---	---	---	1,12	up
6301722	7115362	1165603	---	---	---	1,12	up
6301743	7353441	1753333	---	---	---	1,20	up
6301840	7360486	1770936	---	---	---	1,22	down
6302252	7248964	1494945	---	---	---	1,08	up
6302470	7332970	1702533	---	---	---	1,19	down
6302593	7240569	1475470	---	---	---	1,16	up
6302706	7225553	1435986	---	---	---	1,01	down
6302729	7361223	1772624	---	---	---	1,01	up
6302763	7196029	1365624	---	---	---	1,05	down
6302787	7097525	1121069	---	---	---	2,10	down
6302910	7211389	1402113	---	---	---	1,55	down
6302936	7342959	1727351	---	---	---	1,13	up

6302977	7334347	1705749	---	---	---	1,68	down
6303012	7037764	979972	---	---	---	1,29	down
6303020	7193987	1360668	---	---	---	1,11	down
6303043	7200545	1376916	---	---	---	1,47	up
6303316	7185483	1338929	---	---	---	1,24	up
6303361	7243130	1480815	---	---	---	1,08	up
6303447	7342959	1727341	---	---	---	1,24	down
6303475	7368004	1789332	---	---	---	1,05	up
6303628	7228656	1444247	---	---	---	1,22	up
6303655	7307721	1642000	---	---	---	1,18	down
6303712	7290793	1598640	---	---	---	1,16	up
6303888	7280743	1574569	---	---	---	1,57	up
6304004	7065266	1044596	---	---	---	1,02	down
6304005	7146093	1240932	---	---	---	1,39	up
6304143	7279073	1570679	---	---	---	1,93	down
6304160	7029770	960151	---	---	---	1,01	up
6304197	7212718	1404970	---	---	---	1,10	down
6304221	7311218	1650354	---	---	---	1,12	down
6304338	7188138	1345032	---	---	---	1,08	down
6304425	7281950	1577785	---	---	---	1,18	up
6304495	7040260	986097	---	---	---	1,25	up
6304529	7156061	1265813	---	---	---	1,10	up
6304548	7341253	1723292	---	---	---	1,34	up
6304615	7341253	1723250	---	---	---	1,39	down
6304699	7236395	1464352	---	---	---	1,19	down
6304773	7358048	1764798	---	---	---	1,11	up
6304818	7093936	1112473	---	---	---	1,16	up
6304832	7097485	1120943	---	---	---	1,30	up
6304966	7198210	1371007	---	---	---	1,14	up
6304987	7385253	1832225	---	---	---	1,97	down
6305040	7071969	1060900	---	---	---	1,31	down
6305285	7272110	1553031	---	---	---	1,05	up
6305359	7235069	1460989	---	---	---	1,03	up
6305422	7197056	1367834	---	---	---	1,28	down
6305434	7027759	956122	---	---	---	1,01	down
6305558	7280743	1574475	---	---	---	1,30	up
6305578	7059584	1030546	---	---	---	1,06	down
6305589	7280743	1574506	---	---	---	1,22	down
6305612	7341002	1722547	---	---	---	1,33	up
6305655	7339379	1718325	---	---	---	1,38	up
6305751	7060851	1033368	---	---	---	1,20	down
6305778	7249503	1496238	---	---	---	1,45	up
6305780	7196029	1365630	---	---	---	1,41	up
6305926	7080731	1080976	---	---	---	1,16	up
6306031	7363768	1778603	---	---	---	1,17	down
6306120	7338807	1716784	---	---	---	1,35	up
6306292	7276231	1563117	---	---	---	1,19	down
6306323	7243130	1480901	---	---	---	1,44	down
6306341	7325674	1685220	---	---	---	1,08	down
6306371	7254040	1507596	---	---	---	1,13	up
6306438	7321465	1675745	---	---	---	1,16	up
6306496	7131360	1204973	---	---	---	1,16	down
6306643	7215722	1412264	---	---	---	1,30	down
6306669	7117526	1171004	---	---	---	1,16	down
6306998	7367994	1789246	---	---	---	1,63	down
6307056	7232029	1452789	---	---	---	1,19	up

6307112	7081368	1082369	---	---	---	1,06	down
6307192	7181016	1327788	---	---	---	1,10	up
6307350	7359659	1768821	---	---	---	1,20	up
6307437	7092549	1109189	---	---	---	1,03	down
6307499	7280743	1574480	---	---	---	1,00	down
6307554	7363674	1778435	---	---	---	1,52	up
6307636	7211363	1402042	---	---	---	1,28	up
6307652	7301140	1624584	---	---	---	1,46	down
6307654	7216132	1413398	---	---	---	2,30	down
6307663	7057966	1026820	---	---	---	1,07	up
6307725	7319937	1672254	---	---	---	1,14	up
6307757	7280743	1574568	---	---	---	1,23	down
6307830	7234195	1458981	---	---	---	2,46	down
6307839	7213908	1407647	---	---	---	1,14	down
6307857	7336931	1711864	---	---	---	1,00	down
6307885	7345465	1733844	---	---	---	1,07	down
6308155	7336250	1710171	---	---	---	1,01	down
6308250	7087282	1096217	---	---	---	1,07	down
6308280	7065655	1045259	---	---	---	1,34	down
6308299	7115362	1165598	---	---	---	1,48	down
6308314	7140113	1226054	---	---	---	1,67	down
6308333	7244290	1484162	---	---	---	1,26	up
6308345	7248790	1494531	---	---	---	1,60	up
6308446	7378602	1817713	---	---	---	1,06	down
6308511	7087805	1097458	---	---	---	1,17	down
6308583	7222221	1428061	---	---	---	1,13	down
6308601	7213908	1407672	---	---	---	1,05	up
6308625	7297483	1615277	---	---	---	1,11	up
6308636	7339732	1719240	---	---	---	1,17	down
6308641	7092406	1108786	---	---	---	1,12	down
6308653	7275208	1560479	---	---	---	1,35	up
6308756	7319937	1672320	---	---	---	1,24	down
6308792	7097680	1121736	---	---	---	1,27	down
6308880	7131550	1205551	---	---	---	1,57	up
6308933	7037764	979977	---	---	---	1,01	down
6308982	7343052	1727539	---	---	---	1,94	up
6309076	7049399	1008357	---	---	---	1,12	down
6309122	7267802	1541741	---	---	---	1,49	down
6309259	7360486	1770957	---	---	---	1,42	down
6309317	7243363	1481628	---	---	---	1,35	down
6309371	7131889	1206090	---	---	---	1,49	up
6309372	7312566	1653300	---	---	---	1,02	down
6309395	7330396	1696336	---	---	---	1,20	up
6309455	7059716	1030833	---	---	---	1,18	down
6309535	7231775	1452133	---	---	---	1,17	up
6309571	7043535	994166	---	---	---	3,06	up
6309597	7054958	1020574	---	---	---	1,03	down
6309662	7107321	1145324	---	---	---	1,13	up
6309683	7178060	1320170	---	---	---	1,10	up
6309771	7263152	1530388	---	---	---	1,16	down
6309826	7054147	1018975	---	---	---	1,50	down
6309858	7213908	1407690	---	---	---	1,15	down
6310025	7361223	1772619	---	---	---	1,04	down
6310092	7225553	1435985	---	---	---	1,64	up
6310136	7099271	1125922	---	---	---	1,56	up
6310159	7276650	1564139	---	---	---	1,18	up

6310219	7381352	1823743	---	---	---	1,08	up
6310261	7323545	1679957	---	---	---	1,27	up
6310282	7037764	980055	---	---	---	1,15	up
6310307	7099973	1127535	---	---	---	1,36	down
6310347	7236991	1465785	---	---	---	1,98	down
6310367	7228530	1443903	---	---	---	1,12	down
6310452	7240206	1474349	---	---	---	1,20	down
6310492	7192696	1357181	---	---	---	1,25	up
6310576	7212718	1404970	---	---	---	1,58	down
6310761	7182133	1330843	---	---	---	1,74	down
6310775	7360486	1771014	---	---	---	1,16	down
6310863	7274892	1559580	---	---	---	1,32	down
6310886	7098366	1123612	---	---	---	1,45	down
6310971	7384365	1830276	---	---	---	1,06	up
6310974	7142416	1231792	---	---	---	1,25	up
6311001	7243130	1480870	---	---	---	1,46	up
6311039	7278957	1570393	---	---	---	2,07	up
6311061	7043535	994165	---	---	---	1,42	up
6311111	7119179	1174992	---	---	---	1,08	up
6311200	7086966	1095257	---	---	---	1,25	up
6311239	7073854	1065631	---	---	---	1,39	down
6311246	7279533	1571917	---	---	---	1,05	down
6311432	7367748	1788261	---	---	---	1,02	down
6311457	7245921	1487686	---	---	---	1,30	down
6311476	7286807	1588820	---	---	---	1,16	up
6311515	7176456	1315830	---	---	---	1,23	up
6311613	7364948	1781228	---	---	---	1,02	up
6311831	7112225	1157535	---	---	---	1,39	up
6311875	7166497	1290342	---	---	---	1,00	up
6311988	7307485	1641384	---	---	---	1,04	up
6312121	7185315	1338604	---	---	---	1,16	up
6312160	7236395	1464326	---	---	---	1,05	up
6312176	7199476	1374535	---	---	---	1,02	up
6312213	7243647	1482429	---	---	---	1,56	down
6312423	7241163	1476819	---	---	---	1,53	up
6312590	7078666	1076507	---	---	---	1,30	up
6312662	7349882	1744783	---	---	---	1,20	down
6312715	7165954	1288770	---	---	---	1,54	down
6312717	7376820	1813394	---	---	---	1,40	up
6312720	7284359	1583436	---	---	---	1,15	down
6312740	7193056	1358266	---	---	---	1,30	down
6312743	7178060	1320180	---	---	---	1,00	down
6312747	7343868	1729856	---	---	---	1,19	down
6312750	7355244	1758140	---	---	---	1,67	up
6312913	7280743	1574534	---	---	---	1,21	up
6312954	7341546	1723950	---	---	---	1,45	down
6312955	7384509	1830725	---	---	---	1,42	up
6313035	7039302	983843	---	---	---	1,22	up
6313202	7088489	1099529	---	---	---	1,00	down
6313210	7363576	1778195	---	---	---	1,65	up
6313309	7060851	1033409	---	---	---	1,24	up
6313396	7217747	1417498	---	---	---	1,52	down
6313429	7293454	1604953	---	---	---	1,16	down
6313508	7378997	1818655	---	---	---	1,16	up
6313722	7243130	1480878	---	---	---	1,11	up
6313790	7257361	1516098	---	---	---	1,01	down

6313802	7243647	1482479	---	---	---	1,04	up
6313846	7333152	1702954	---	---	---	1,47	up
6313876	7088135	1098419	---	---	---	1,01	down
6313974	7236358	1464255	---	---	---	2,09	up
6313976	7330078	1695475	---	---	---	1,02	down
6313977	7243647	1482488	---	---	---	1,02	up
6314015	7076236	1071197	---	---	---	1,48	down
6314021	7238202	1468949	---	---	---	1,07	up
6314050	7127691	1195630	---	---	---	1,08	down
6314117	7180732	1326728	---	---	---	1,44	down
6314156	7108551	1148701	---	---	---	1,33	up
6314288	7099573	1126711	---	---	---	1,01	up
6314320	7339110	1717612	---	---	---	2,07	up
6314374	7183182	1333564	---	---	---	1,30	up
6314378	7378997	1818676	---	---	---	1,11	up
6314748	7198690	1372546	---	---	---	1,86	down
6314836	7217143	1415586	---	---	---	2,54	down
6314858	7041061	988074	---	---	---	1,15	down
6315073	7102976	1135049	---	---	---	1,09	up
6315179	7374842	1808990	---	---	---	1,31	up
6315238	7239752	1473197	---	---	---	1,29	up
6315526	7210600	1400518	---	---	---	1,02	down
6315575	7068853	1053129	---	---	---	1,24	down
6315642	7378997	1818640	---	---	---	1,02	up
6315684	7148978	1248541	---	---	---	1,02	down
6315705	7233359	1456518	---	---	---	1,39	up
6315727	7360486	1770959	---	---	---	1,75	down
6315733	7342959	1727344	---	---	---	1,28	up
6315737	7343052	1727507	---	---	---	1,13	down
6315785	7067670	1050366	---	---	---	1,09	up
6315899	7309703	1646838	---	---	---	1,15	up
6315946	7350993	1747557	---	---	---	1,63	down
6315950	7352044	1750003	---	---	---	1,16	up
6316023	7333462	1703646	---	---	---	1,07	up
6316061	7360325	1770493	---	---	---	1,02	up
6316066	7374790	1808765	---	---	---	1,14	up
6316122	7313411	1655450	---	---	---	1,45	up
6316242	7132125	1206640	---	---	---	1,08	up
6316265	7240569	1475464	---	---	---	1,15	down
6316276	7053874	1018322	---	---	---	1,24	up
6316418	7351951	1749837	---	---	---	1,03	up
6316567	7209927	1398936	---	---	---	1,06	down
6316625	7307485	1641331	---	---	---	1,17	down
6316701	7068086	1051203	---	---	---	1,02	up
6316723	7206133	1389978	---	---	---	2,31	down
6316771	7188685	1346323	---	---	---	1,22	up
6316788	7309703	1646825	---	---	---	1,05	down
6316827	7141061	1228643	---	---	---	1,35	down
6317012	7274780	1559239	---	---	---	1,09	down
6317149	7378981	1818552	---	---	---	1,29	down
6317368	7341397	1723629	---	---	---	1,10	down
6317377	7076160	1070882	---	---	---	1,88	up
6317409	7279568	1572032	---	---	---	1,22	up
6317544	7353712	1753946	---	---	---	1,24	down
6317651	7380019	1820830	---	---	---	1,08	up
6317796	7292517	1602557	---	---	---	1,03	up

6318034	7058713	1028669	---	---	---	1,14	up
6318179	7084193	1089070	---	---	---	1,99	down
6318305	7069830	1055590	---	---	---	2,09	down
6318376	7117526	1170978	---	---	---	2,02	up
6318425	7373678	1805865	---	---	---	1,01	down
6318485	7367990	1789225	---	---	---	1,56	up
6318575	7202550	1381604	---	---	---	1,61	down
6318675	7038530	981880	---	---	---	1,17	up
6318852	7075445	1069343	---	---	---	1,31	up
6318869	7285897	1586638	---	---	---	1,09	up
6318948	7069830	1055624	---	---	---	1,21	up
6319242	7139708	1225051	---	---	---	1,02	down
6319388	7379957	1820643	---	---	---	1,03	down
6319462	7040260	986084	---	---	---	1,03	up
6319471	7087965	1098063	---	---	---	1,25	down
6319506	7330396	1696343	---	---	---	1,21	up
6319521	7092549	1109186	---	---	---	1,92	down
6319720	7339387	1718395	---	---	---	1,04	up
6319772	7088625	1099881	---	---	---	1,13	down
6319777	7141421	1229479	---	---	---	2,76	down
6319788	7049399	1008364	---	---	---	1,01	up
6319817	7036412	976868	---	---	---	1,05	down
6319897	7211389	1402112	---	---	---	1,55	up
6319945	7053874	1018321	---	---	---	1,26	down
6320001	7266706	1538753	---	---	---	1,06	down
6320033	7141061	1228697	---	---	---	1,37	down
6320148	7033672	970335	---	---	---	1,05	down
6320178	7127540	1195273	---	---	---	1,29	up
6320263	7303616	1631330	---	---	---	1,23	up
6320264	7228656	1444247	---	---	---	1,22	up
6320268	7039223	983564	---	---	---	1,07	down
6320332	7211363	1402052	---	---	---	1,51	up
6320351	7083031	1086280	---	---	---	2,01	down
6320354	7330238	1695931	---	---	---	1,02	up
6320401	7247334	1490817	---	---	---	3,03	up
6320468	7214605	1409373	---	---	---	1,30	down
6320528	7253272	1505690	---	---	---	1,80	up
6320544	7350489	1746115	---	---	---	1,38	up
6320718	7310670	1648983	---	---	---	1,58	down
6320861	7279303	1571206	---	---	---	1,29	down
6320909	7188829	1346668	---	---	---	1,03	down
6320986	7099573	1126706	---	---	---	1,20	down
6321162	7036412	976849	---	---	---	1,02	up
6321174	7358859	1767000	---	---	---	1,08	down
6321254	7212718	1404944	---	---	---	1,08	up
6321354	7214605	1409405	---	---	---	2,29	down
6321372	7157341	1269171	---	---	---	1,10	up
6321486	7132125	1206602	---	---	---	1,62	down
6321508	7127691	1195638	---	---	---	1,27	up
6321518	7267802	1541753	---	---	---	1,26	down
6321576	7331297	1698801	---	---	---	1,49	down
6321689	7155116	1263437	---	---	---	1,09	up
6321693	7193056	1358262	---	---	---	1,15	up
6321723	7307424	1641142	---	---	---	1,05	up
6321787	7115880	1166838	---	---	---	1,07	up
6321864	7216309	1413742	---	---	---	1,02	up

6321949	7177180	1317778	---	---	---	1,15	down
6322157	7198210	1370963	---	---	---	1,56	up
6322231	7080106	1079748	---	---	---	1,11	down
6322350	7243647	1482422	---	---	---	2,49	up
6322356	7111181	1155224	---	---	---	1,42	down
6322369	7197056	1367847	---	---	---	1,02	down
6322485	7105814	1141775	---	---	---	1,03	down
6322490	7240569	1475455	---	---	---	1,00	up
6322501	7364346	1779969	---	---	---	1,16	down
6322520	7162144	1280518	---	---	---	1,18	up
6322540	7343092	1727649	---	---	---	1,01	up
6322601	7049399	1008379	---	---	---	1,13	up
6322636	7149817	1250308	---	---	---	1,14	up
6322910	7112225	1157616	---	---	---	1,08	up
6322915	7331297	1698821	---	---	---	1,32	up
6322932	7256191	1512880	---	---	---	1,28	up
6322946	7041584	989452	---	---	---	1,36	up
6323008	7086044	1092939	---	---	---	2,30	down
6323010	7060851	1033415	---	---	---	1,73	up
6323011	7334347	1705767	---	---	---	1,24	down
6323145	7099573	1126739	---	---	---	1,55	down
6323218	7142416	1231818	---	---	---	1,12	up
6323245	7052331	1014599	---	---	---	1,14	down
6323256	7050930	1011611	---	---	---	2,26	down
6323278	7112570	1158683	---	---	---	1,46	down
6323330	7237992	1468284	---	---	---	1,17	down
6323358	7099449	1126374	---	---	---	1,09	down
6323364	7297589	1615681	---	---	---	1,66	up
6323440	7244288	1484107	---	---	---	1,58	up
6323557	7059584	1030548	---	---	---	1,26	down
6323577	7212735	1405027	---	---	---	1,01	down
6323616	7129841	1200834	---	---	---	1,32	up
6323621	7235069	1460989	---	---	---	1,13	down
6323639	7217650	1417161	---	---	---	1,52	up
6323647	7315571	1660977	---	---	---	1,28	up
6323780	7181590	1329429	---	---	---	2,47	down
6323808	7264085	1532719	---	---	---	1,66	up
6323873	7243253	1481224	---	---	---	1,15	down
6323898	7108345	1148084	---	---	---	1,55	down
6323911	7297589	1615598	---	---	---	1,07	up
6323957	7352100	1750206	---	---	---	1,15	down
6324070	7095021	1115137	---	---	---	1,42	up
6324184	7380497	1821831	---	---	---	1,05	down
6324220	7332970	1702533	---	---	---	1,06	down
6324224	7363568	1778132	---	---	---	1,05	up
6324427	7300906	1624053	---	---	---	1,32	up
6324450	7267802	1541787	---	---	---	1,00	down
6324497	7378524	1817520	---	---	---	1,08	up
6324573	7238115	1468655	---	---	---	1,09	up
6324691	7098366	1123608	---	---	---	1,18	up
6324729	7373657	1805795	---	---	---	1,10	down
6324839	7155116	1263421	---	---	---	1,02	down
6324841	7319259	1670404	---	---	---	1,01	up
6324885	7301140	1624590	---	---	---	1,05	down
6324948	7148978	1248506	---	---	---	1,42	up
6325007	7254088	1507737	---	---	---	1,03	up

6325049	7096924	1119625	---	---	---	1,25	down
6325091	7318596	1668937	---	---	---	1,19	down
6325110	7233359	1456505	---	---	---	2,36	up
6325256	7034603	972861	---	---	---	1,20	up
6325272	7235393	1461720	---	---	---	2,83	down
6325282	7356333	1760497	---	---	---	1,22	down
6325306	7191983	1355173	---	---	---	1,24	up
6325313	7149817	1250302	---	---	---	1,24	down
6325365	7280743	1574547	---	---	---	1,13	up
6325501	7065827	1045724	---	---	---	1,17	up
6325561	7165954	1288770	---	---	---	1,38	up
6325612	7233359	1456518	---	---	---	1,06	up
6325620	7240569	1475452	---	---	---	1,03	down
6325668	7031774	964776	---	---	---	1,13	up
6325674	7139026	1223494	---	---	---	1,04	up
6325721	7033504	969862	---	---	---	1,04	up
6325816	7069464	1054671	---	---	---	1,33	down
6325969	7034293	971932	---	---	---	1,01	up
6326023	7068073	1051176	---	---	---	1,14	down
6326117	7065827	1045728	---	---	---	1,01	up
6326171	7123421	1185841	---	---	---	1,48	up
6326374	7167507	1293129	---	---	---	1,14	up
6326405	7054636	1019874	---	---	---	1,27	up
6326563	7095021	1115131	---	---	---	1,02	up
6326649	7316644	1664040	---	---	---	1,22	down
6326657	7243130	1480848	---	---	---	1,31	up
6326743	7141061	1228643	---	---	---	1,29	up
6326760	7350489	1746122	---	---	---	2,02	up
6326846	7092549	1109144	---	---	---	1,04	down
6326904	7286807	1588827	---	---	---	1,02	down
6326942	7059020	1029342	---	---	---	1,52	up
6326943	7149817	1250307	---	---	---	1,68	up
6327042	7373678	1805876	---	---	---	1,06	up
6327090	7284359	1583435	---	---	---	1,06	down
6327104	7364346	1780006	---	---	---	1,13	up
6327143	7254040	1507591	---	---	---	1,03	down
6327168	7082098	1084123	---	---	---	1,25	down
6327295	7071714	1060356	---	---	---	1,21	up
6327320	7131360	1204979	---	---	---	1,15	down
6327328	7072552	1062129	---	---	---	1,48	down
6327419	7373633	1805711	---	---	---	1,13	up
6327475	7293234	1604333	---	---	---	1,04	down
6327589	7188822	1346625	---	---	---	1,08	down
6327625	7231775	1452135	---	---	---	1,26	up
6327822	7281923	1577699	---	---	---	1,01	up
6327885	7323522	1679830	---	---	---	1,09	up
6327926	7351953	1749875	---	---	---	1,02	up
6327930	7339379	1718310	---	---	---	1,46	down
6327937	7323545	1679956	---	---	---	1,21	down
6327964	7050557	1010796	---	---	---	1,06	up
6328032	7243653	1482538	---	---	---	1,31	up
6328076	7213908	1407688	---	---	---	1,04	down
6328225	7064134	1041425	---	---	---	1,20	up
6328259	7053874	1018310	---	---	---	1,22	down
6328348	7249503	1496165	---	---	---	1,10	up
6328349	7092549	1109153	---	---	---	1,14	up

6328440	7189669	1348981	---	---	---	1,28	down
6328525	7088489	1099521	---	---	---	1,26	down
6328531	7265952	1536975	---	---	---	1,29	down
6328569	7103337	1135943	---	---	---	1,03	down
6328572	7240569	1475506	---	---	---	1,09	up
6328583	7033672	970356	---	---	---	1,04	up
6328584	7294151	1606592	---	---	---	1,53	up
6328586	7196029	1365616	---	---	---	1,27	down
6328594	7330181	1695696	---	---	---	1,34	down
6328695	7221187	1425724	---	---	---	1,05	up
6328727	7351951	1749831	---	---	---	1,17	down
6328730	7316644	1664031	---	---	---	1,38	down
6328808	7101362	1130827	---	---	---	1,18	down
6328875	7258345	1518538	---	---	---	1,03	up
6328942	7295410	1609792	---	---	---	1,15	up
6329114	7378997	1818641	---	---	---	1,17	up
6329116	7036559	977253	---	---	---	1,26	down
6329195	7029770	960156	---	---	---	1,06	down
6329204	7292154	1601676	---	---	---	1,18	up
6329234	7065115	1044178	---	---	---	1,08	down
6329263	7087965	1098018	---	---	---	1,67	up
6329275	7340304	1720864	---	---	---	2,40	down
6329299	7233440	1456933	---	---	---	1,28	up
6329394	7233359	1456507	---	---	---	1,22	down
6329402	7260613	1524277	---	---	---	1,01	down
6329433	7264797	1534420	---	---	---	1,31	up
6329535	7038610	982071	---	---	---	1,20	down
6329663	7065266	1044579	---	---	---	1,11	up
6329800	7249917	1497392	---	---	---	1,69	up
6329869	7303616	1631384	---	---	---	1,25	down
6329935	7041609	989572	---	---	---	1,25	down
6329946	7060195	1031959	---	---	---	1,03	down
6329979	7096842	1119254	---	---	---	1,07	up
6330028	7321029	1674816	---	---	---	1,06	up
6330087	7293234	1604358	---	---	---	2,59	down
6330113	7331297	1698809	---	---	---	1,02	down
6330120	7225304	1435311	---	---	---	1,05	up
6330152	7060851	1033434	---	---	---	1,81	down
6330217	7116614	1168799	---	---	---	1,07	up
6330373	7069253	1054166	---	---	---	1,44	up
6330427	7070836	1058347	---	---	---	1,50	up
6330529	7368004	1789328	---	---	---	1,11	down
6330545	7039223	983569	---	---	---	1,07	up
6330661	7257963	1517683	---	---	---	1,13	down
6330663	7213908	1407757	---	---	---	1,32	up
6330743	7132125	1206606	---	---	---	1,00	up
6330759	7059961	1031397	---	---	---	1,08	up
6330768	7146093	1240908	---	---	---	1,10	up
6330772	7192696	1357182	---	---	---	1,06	down
6330794	7033504	969858	---	---	---	1,55	down
6330858	7265259	1535437	---	---	---	1,13	up
6330911	7322260	1677067	---	---	---	1,02	down
6330931	7142081	1230979	---	---	---	2,00	down
6330951	7142081	1230973	---	---	---	1,35	down
6331098	7025652	950301	---	---	---	1,18	down
6331151	7330396	1696341	---	---	---	1,17	up

6331311	7083030	1086268	---	---	---	1,45	down
6331318	7034293	971970	---	---	---	1,29	down
6331336	7243363	1481594	---	---	---	1,04	up
6331502	7214363	1408974	---	---	---	1,15	down
6331713	7161841	1279878	---	---	---	1,32	up
6331748	7087492	1096691	---	---	---	1,23	up
6331797	7245695	1487085	---	---	---	1,15	down
6331865	7243363	1481628	---	---	---	1,29	up
6331876	7287238	1589774	---	---	---	1,01	down
6332651	7031774	964648	---	---	---	1,11	down
6332676	7215722	1412265	---	---	---	1,70	down
6332721	7274780	1559211	---	---	---	1,11	down
6332751	7356115	1760114	---	---	---	1,04	up
6332775	7274780	1559214	---	---	---	1,17	up
6332802	7111573	1156016	---	---	---	1,18	down
6332804	7368006	1789357	---	---	---	1,08	up
6332837	7276231	1563103	---	---	---	1,07	down
6332873	7186464	1341379	---	---	---	1,04	up
6333093	7170764	1301478	---	---	---	1,18	down
6333105	7376566	1812849	---	---	---	1,67	up
6333296	7083021	1086219	---	---	---	1,37	up
6333306	7147809	1245461	---	---	---	2,39	up
6333319	7190534	1351225	---	---	---	1,23	up
6333377	7331434	1699219	---	---	---	1,11	down
6333384	7344530	1731561	---	---	---	1,09	down
6333505	7120477	1178532	---	---	---	1,47	down
6333643	7068259	1051655	---	---	---	1,44	up
6333719	7248964	1494938	---	---	---	1,25	up
6333815	7202550	1381614	---	---	---	1,04	down
6333910	7344530	1731573	---	---	---	1,04	up
6333921	7350237	1745487	---	---	---	1,10	down
6333939	7096859	1119329	---	---	---	1,27	down
6333989	7093936	1112463	---	---	---	1,45	up
6333993	7172373	1305564	---	---	---	1,37	up
6333996	7264797	1534422	---	---	---	2,07	down
6334033	7335632	1708452	---	---	---	1,13	up
6334034	7085848	1092432	---	---	---	1,02	down
6334052	7112225	1157565	---	---	---	1,01	down
6334121	7247228	1490527	---	---	---	1,01	up
6334192	7131360	1204970	---	---	---	1,62	up
6334352	7356115	1760122	---	---	---	2,53	up
6334408	7287222	1589722	---	---	---	1,08	up
6334582	7067670	1050342	---	---	---	1,10	down
6334699	7316452	1663556	---	---	---	1,11	up
6334738	7117832	1171754	---	---	---	1,10	up
6334751	7174149	1310496	---	---	---	1,04	down
6335056	7067614	1050196	---	---	---	1,13	up
6335057	7340757	1721901	---	---	---	2,16	down
6335181	7270397	1548130	---	---	---	1,59	down
6335227	7103782	1136947	---	---	---	1,07	down
6335387	7043535	994098	---	---	---	1,01	up
6335432	7172373	1305588	---	---	---	1,16	up
6335507	7330238	1695925	---	---	---	1,74	down
6335545	7338807	1716822	---	---	---	1,49	up
6335605	7172066	1304736	---	---	---	1,95	down
6335628	7183927	1335502	---	---	---	1,02	up

6335630	7071714	1060354	---	---	---	1,03	down
6335714	7345462	1733816	---	---	---	1,75	up
6335718	7092965	1110186	---	---	---	1,05	up
6335787	7352044	1750016	---	---	---	1,01	up
6336060	7096924	1119605	---	---	---	1,34	down
6336062	7127022	1194063	---	---	---	2,13	up
6336107	7367971	1789115	---	---	---	1,09	up
6336141	7211343	1401973	---	---	---	1,05	up
6336162	7380497	1821864	---	---	---	1,27	down
6336170	7319937	1672268	---	---	---	1,14	up
6336303	7349817	1744602	---	---	---	1,39	up
6336347	7340304	1720858	---	---	---	1,22	up
6336352	7337224	1712625	---	---	---	1,33	up
6336436	7338807	1716819	---	---	---	1,01	up
6336460	7191594	1354227	---	---	---	1,58	up
6336494	7060851	1033418	---	---	---	1,03	up
6336515	7098366	1123611	---	---	---	1,23	up
6336519	7247229	1490557	---	---	---	1,17	down
6336578	7087492	1096694	---	---	---	1,18	down
6336647	7373906	1806365	---	---	---	1,03	down
6336685	7368374	1790644	---	---	---	1,10	up
6336759	7186688	1341842	---	---	---	2,20	up
6336779	7180943	1327442	---	---	---	1,25	up
6336841	7148978	1248550	---	---	---	1,52	up
6337008	7084716	1090109	---	---	---	1,94	down
6337017	7070836	1058353	---	---	---	1,47	up
6337153	7114108	1162456	---	---	---	1,03	up
6337208	7160053	1275381	---	---	---	1,47	up
6337274	7127797	1195853	---	---	---	1,34	up
6337445	7033672	970363	---	---	---	1,19	up
6337463	7244290	1484145	---	---	---	1,08	up
6337504	7243647	1482434	---	---	---	1,06	up
6337559	7236991	1465792	---	---	---	1,69	down
6337566	7322388	1677328	---	---	---	1,18	up
6337570	7253453	1506153	---	---	---	1,04	down
6337588	7213945	1407830	---	---	---	2,02	up
6337593	7065265	1044568	---	---	---	1,65	down
6337628	7303616	1631385	---	---	---	1,09	up
6337664	7303616	1631371	---	---	---	1,15	up
6337680	7199476	1374566	---	---	---	1,06	down
6337735	7137646	1220429	---	---	---	2,15	down
6337798	7338807	1716809	---	---	---	1,02	down
6337873	7058813	1028898	---	---	---	1,05	up
6337891	7240569	1475369	---	---	---	1,72	up
6337927	7368684	1791857	---	---	---	2,16	up
6338023	7330238	1695960	---	---	---	1,14	down
6338107	7090278	1104074	---	---	---	1,09	up
6338199	7115362	1165598	---	---	---	1,08	up
6338213	7319292	1670483	---	---	---	1,03	down
6338287	7181105	1327962	---	---	---	1,59	down
6338305	7168309	1295359	---	---	---	1,12	up
6338326	7203872	1384755	---	---	---	1,02	up
6338459	7030454	961549	---	---	---	1,41	up
6338546	7307424	1641142	---	---	---	1,00	down
6338581	7097680	1121715	---	---	---	1,01	up
6338775	7367948	1788977	---	---	---	1,41	up

6338777	7049118	1007800	---	---	---	1,13	up
6338863	7222221	1428061	---	---	---	1,08	down
6338888	7030518	961671	---	---	---	1,53	down
6339001	7101564	1131388	---	---	---	1,16	down
6339055	7373678	1805853	---	---	---	1,13	down
6339132	7360486	1770998	---	---	---	1,21	down
6339208	7341002	1722551	---	---	---	1,19	up
6339376	7299512	1620550	---	---	---	1,22	up
6339379	7051009	1011791	---	---	---	1,18	down
6339441	7132125	1206603	---	---	---	1,02	up
6339544	7314270	1657740	---	---	---	1,05	up
6339626	7038530	981865	---	---	---	1,27	down
6339728	7249737	1496749	---	---	---	1,13	down
6339736	7100307	1128385	---	---	---	1,16	up
6339936	7049399	1008405	---	---	---	1,08	down
6339978	7181590	1329428	---	---	---	1,22	up
6340030	7094139	1112898	---	---	---	1,64	down
6340121	7238115	1468584	---	---	---	1,25	up
6340238	7232340	1453517	---	---	---	1,19	up
6340324	7373633	1805706	---	---	---	1,09	down
6340364	7238252	1469294	---	---	---	1,08	up
6340541	7174149	1310490	---	---	---	1,06	down
6340549	7243130	1480846	---	---	---	1,14	up
6340704	7291054	1599406	---	---	---	1,10	down
6340869	7186464	1341360	---	---	---	1,02	down
6340987	7264085	1532719	---	---	---	1,68	down
6341033	7277783	1567465	---	---	---	1,34	up
6341037	7234195	1458973	---	---	---	1,50	down
6341143	7101400	1130891	---	---	---	1,17	up
6341215	7240569	1475510	---	---	---	1,21	up
6341326	7082098	1084109	---	---	---	1,12	up
6341424	7148978	1248477	---	---	---	1,27	down
6341540	7029770	960155	---	---	---	2,14	down
6341683	7373417	1805096	---	---	---	1,43	down
6341714	7073854	1065621	---	---	---	1,49	up
6341767	7225553	1435989	---	---	---	1,03	down
6341903	7318596	1668936	---	---	---	1,23	down
6341961	7359460	1768472	---	---	---	1,23	up
6341967	7337845	1714335	---	---	---	1,00	up
6342036	7180732	1326739	---	---	---	1,00	up
6342109	7034756	973214	---	---	---	1,08	down
6342139	7343868	1729856	---	---	---	1,75	down
6342141	7339379	1718316	---	---	---	1,29	up
6342146	7123421	1185846	---	---	---	1,09	up
6342154	7036559	977245	---	---	---	1,06	down
6342189	7112566	1158633	---	---	---	1,10	down
6342228	7049689	1008873	---	---	---	1,22	up
6342474	7088489	1099527	---	---	---	1,15	up
6342574	7217269	1415906	---	---	---	1,09	down
6342663	7073854	1065632	---	---	---	1,72	down
6342716	7281140	1575713	---	---	---	2,05	down
6342820	7373678	1805879	---	---	---	1,48	down
6343007	7253408	1505947	---	---	---	1,04	down
6343120	7340757	1721906	---	---	---	1,23	down
6343228	7069830	1055622	---	---	---	1,14	up
6343535	7243363	1481583	---	---	---	1,16	up

6343553	7361042	1772264	---	---	---	1,08	down
6343635	7096859	1119319	---	---	---	1,20	up
6343683	7056333	1023700	---	---	---	1,15	down
6343873	7032618	967335	---	---	---	1,29	down
6343934	7034532	972649	---	---	---	1,00	up
6343960	7329846	1694988	---	---	---	1,14	up
6344042	7268375	1543438	---	---	---	1,10	up
6344061	7107066	1144783	---	---	---	3,00	down
6344366	7099573	1126740	---	---	---	1,46	down
6344751	7248790	1494545	---	---	---	2,35	down
6344832	7233440	1456933	---	---	---	1,42	down
6344861	7247848	1492072	---	---	---	1,09	down
6344915	7159027	1272731	---	---	---	1,52	up
6345042	7097525	1121059	---	---	---	1,23	up
6345199	7244290	1484163	---	---	---	1,06	up
6345281	7174149	1310512	---	---	---	1,73	down
6345304	7218728	1419928	---	---	---	1,13	up
6345352	7188822	1346630	---	---	---	1,22	up
6345403	7231775	1452127	---	---	---	1,13	up
6345505	7037488	979280	---	---	---	2,65	down
6345594	7073673	1065081	---	---	---	2,39	down
6345646	7045955	1000761	---	---	---	4,97	down
6345653	7244290	1484145	---	---	---	1,14	up
6345720	7337522	1713590	---	---	---	1,13	down
6345734	7299512	1620551	---	---	---	1,47	up
6345988	7115880	1166825	---	---	---	1,16	up
6345997	7181193	1328293	---	---	---	1,42	down
6346045	7247228	1490515	---	---	---	1,85	down
6346075	7033672	970369	---	---	---	1,48	up
6346109	7275674	1561665	---	---	---	1,17	up
6346169	7156044	1265710	---	---	---	1,33	down
6346197	7243647	1482423	---	---	---	1,17	down
6346389	7050167	1009816	---	---	---	1,32	down
6346394	7216132	1413399	---	---	---	1,30	up
6346460	7249503	1496187	---	---	---	1,16	up
6346491	7244288	1484128	---	---	---	1,26	up
6346539	7025652	950255	---	---	---	1,27	down
6346626	7350237	1745498	---	---	---	1,24	up
6346628	7350993	1747532	---	---	---	1,38	down
6346645	7292657	1602839	---	---	---	1,45	up
6346660	7033337	969493	---	---	---	1,09	up
6346676	7307485	1641334	---	---	---	1,45	down
6346693	7109424	1151114	---	---	---	1,16	up
6346757	7293454	1604952	---	---	---	1,17	up
6346773	7050167	1009817	---	---	---	1,21	up
6346777	7174149	1310505	---	---	---	1,53	down
6346828	7054958	1020575	---	---	---	1,17	up
6346845	7032204	966119	---	---	---	1,03	down
6346908	7059020	1029330	---	---	---	1,33	down
6346928	7093936	1112465	---	---	---	1,10	up
6346977	7377583	1815456	---	---	---	1,38	up
6347004	7229886	1447150	---	---	---	1,20	down
6347006	7031774	964650	---	---	---	1,20	down
6347164	7280743	1574562	---	---	---	1,15	up
6347189	7055781	1022264	---	---	---	1,13	up
6347207	7337845	1714352	---	---	---	1,08	down

6347214	7146093	1240983	---	---	---	1,16	up
6347219	7302786	1628860	---	---	---	2,21	down
6347314	7099573	1126707	---	---	---	1,13	down
6347448	7217747	1417480	---	---	---	1,35	up
6347520	7162144	1280509	---	---	---	1,06	up
6347545	7188638	1346209	---	---	---	1,63	down
6347574	7329135	1693497	---	---	---	1,39	down
6347598	7059721	1030853	---	---	---	1,08	up
6347604	7068143	1051297	---	---	---	1,18	up
6347654	7067828	1050792	---	---	---	1,00	up
6347690	7186464	1341357	---	---	---	1,25	down
6347741	7099156	1125643	---	---	---	1,19	down
6347866	7330396	1696367	---	---	---	1,02	up
6347882	7243130	1480910	---	---	---	1,08	up
6347886	7280743	1574504	---	---	---	1,26	down
6348088	7211343	1401977	---	---	---	1,02	up
6348105	7368004	1789332	---	---	---	1,46	up
6348145	7112566	1158632	---	---	---	1,03	down
6348284	7249503	1496203	---	---	---	1,19	down
6348425	7156052	1265767	---	---	---	1,34	down
6348484	7054958	1020588	---	---	---	1,32	down
6348637	7197056	1367836	---	---	---	1,35	up
6348667	7352635	1751446	---	---	---	1,34	up
6348725	7330396	1696336	---	---	---	1,21	up
6348754	7299083	1619227	---	---	---	1,11	up
6348763	7356027	1759985	---	---	---	1,19	down
6348776	7369400	1793984	---	---	---	1,52	down
6348894	7373633	1805700	---	---	---	1,25	down
6348947	7043535	994090	---	---	---	1,16	down
6348963	7280743	1574525	---	---	---	1,12	up
6348979	7350237	1745481	---	---	---	1,10	down
6349004	7129696	1200586	---	---	---	1,23	up
6349055	7117158	1170019	---	---	---	1,09	up
6349074	7339387	1718390	---	---	---	1,60	up
6349207	7072765	1062735	---	---	---	1,05	down
6349282	7039271	983713	---	---	---	1,20	down
6349304	7373417	1805095	---	---	---	1,29	up
6349345	7156052	1265766	---	---	---	2,41	down
6349452	7049332	1008174	---	---	---	1,53	down
6349476	7035344	974296	---	---	---	1,51	down
6349503	7218728	1419920	---	---	---	1,57	down
6349557	7340838	1722089	---	---	---	1,18	up
6349664	7266706	1538746	---	---	---	1,14	up
6349682	7096859	1119315	---	---	---	1,15	up
6349740	7342959	1727340	---	---	---	1,00	down
6349786	7308679	1644243	---	---	---	1,40	up
6349861	7244378	1484395	---	---	---	1,22	down
6349905	7255663	1511726	---	---	---	1,35	up
6349979	7101400	1130918	---	---	---	1,14	down
6350222	7213908	1407663	---	---	---	1,61	up
6350305	7064220	1041763	---	---	---	1,04	down
6350345	7373678	1805878	---	---	---	1,61	down
6350415	7359874	1769348	---	---	---	2,05	up
6350421	7127540	1195281	---	---	---	1,16	up
6350429	7062173	1037017	---	---	---	1,14	up
6350533	7294264	1606837	---	---	---	1,01	up

6350585	7344838	1732458	---	---	---	1,09	down
6350667	7340506	1721336	---	---	---	1,03	up
6350727	7339379	1718322	---	---	---	1,16	up
6350751	7243653	1482535	---	---	---	1,26	down
6350763	7095021	1115138	---	---	---	1,05	up
6350797	7281950	1577786	---	---	---	1,11	up
6350809	7131103	1204344	---	---	---	1,02	down
6350919	7384073	1829467	---	---	---	1,23	up
6350933	7112570	1158652	---	---	---	1,41	down
6350972	7290793	1598636	---	---	---	1,67	up
6351001	7064905	1043438	---	---	---	1,06	up
6351060	7376206	1811978	---	---	---	1,17	up
6351180	7142081	1230958	---	---	---	1,01	up
6351225	7341002	1722542	---	---	---	1,01	up
6351231	7210263	1399751	---	---	---	1,12	up
6351348	7186464	1341373	---	---	---	1,31	up
6351410	7350237	1745487	---	---	---	1,37	up
6351559	7346505	1736284	---	---	---	1,26	up
6351590	7234434	1459441	---	---	---	1,12	up
6351602	7172066	1304740	---	---	---	1,02	down
6351624	7244290	1484153	---	---	---	1,45	down
6351638	7248790	1494491	---	---	---	1,41	down
6351692	7190534	1351240	---	---	---	2,15	down
6351733	7097485	1120944	---	---	---	1,07	down
6351753	7198002	1370441	---	---	---	1,09	up
6351759	7384509	1830737	---	---	---	1,00	up
6351829	7099573	1126716	---	---	---	1,07	down
6351876	7214605	1409368	---	---	---	1,73	down
6351931	7099273	1125956	---	---	---	1,01	down
6351954	7096589	1118515	---	---	---	1,94	up
6351973	7363674	1778439	---	---	---	1,07	down
6352068	7281950	1577782	---	---	---	1,25	up
6352162	7161992	1280152	---	---	---	1,15	down
6352276	7068259	1051649	---	---	---	1,11	up
6352279	7157341	1269277	---	---	---	1,04	up
6352325	7195903	1365338	---	---	---	1,61	up
6352368	7180721	1326695	---	---	---	1,48	down
6352375	7069464	1054665	---	---	---	1,42	down
6352478	7263152	1530375	---	---	---	1,06	up
6352537	7030518	961678	---	---	---	1,00	up
6352570	7190524	1351172	---	---	---	1,38	down
6352594	7112566	1158625	---	---	---	1,15	up
6352595	7257963	1517662	---	---	---	1,18	down
6352639	7267802	1541837	---	---	---	1,16	down
6352781	7102708	1134323	---	---	---	1,57	up
6352824	7293757	1605678	---	---	---	1,02	down
6352841	7316644	1664055	---	---	---	1,05	up
6352921	7277783	1567474	---	---	---	1,06	up
6352936	7318596	1668938	---	---	---	1,64	down
6352938	7349817	1744643	---	---	---	1,15	down
6353020	7344838	1732451	---	---	---	1,41	up
6353072	7314270	1657735	---	---	---	1,16	up
6353095	7213908	1407687	---	---	---	1,27	up
6353125	7378997	1818637	---	---	---	1,16	up
6353166	7300446	1622844	---	---	---	1,48	up
6353309	7202550	1381606	---	---	---	1,04	down

6353335	7086522	1093941	---	---	---	1,26	down
6353347	7189689	1349038	---	---	---	1,07	down
6353356	7212718	1404944	---	---	---	1,31	up
6353383	7196803	1367343	---	---	---	1,32	up
6353388	7249503	1496174	---	---	---	1,51	up
6353399	7240569	1475470	---	---	---	1,32	down
6353404	7274780	1559250	---	---	---	1,58	down
6353426	7047524	1004659	---	---	---	1,09	down
6353471	7245874	1487595	---	---	---	1,10	up
6353479	7327169	1688466	---	---	---	1,63	up
6353494	7275674	1561650	---	---	---	1,02	up
6353527	7176456	1315844	---	---	---	1,11	down
6353742	7031774	964786	---	---	---	1,26	down
6353770	7120690	1179048	---	---	---	1,11	down
6354058	7337902	1714546	---	---	---	1,01	down
6354139	7226241	1437780	---	---	---	1,06	up
6354356	7038669	982182	---	---	---	1,22	up
6354430	7037764	980095	---	---	---	1,49	down
6354722	7087282	1096205	---	---	---	1,00	up
6354864	7142693	1232471	---	---	---	1,30	down
6354872	7180620	1326385	---	---	---	1,16	up
6354875	7088164	1098492	---	---	---	1,15	up
6354928	7249503	1496206	---	---	---	1,06	down
6354968	7229886	1447162	---	---	---	1,32	up
6355019	7125348	1190072	---	---	---	1,04	down
6355087	7343122	1727751	---	---	---	1,39	up
6355257	7034756	973217	---	---	---	1,09	down
6355281	7117526	1171003	---	---	---	1,91	up
6355316	7052813	1015929	---	---	---	1,95	up
6355326	7299083	1619242	---	---	---	2,45	up
6355351	7273251	1555944	---	---	---	1,24	up
6355376	7033337	969519	---	---	---	1,47	down
6355403	7287238	1589771	---	---	---	1,33	down
6355589	7144092	1236216	---	---	---	2,10	down
6355661	7280959	1575041	---	---	---	1,05	up
6355679	7293757	1605672	---	---	---	1,51	down
6355825	7159027	1272719	---	---	---	1,08	down
6355884	7228520	1443769	---	---	---	1,23	down
6355937	7081368	1082376	---	---	---	1,98	up
6356252	7333333	1703398	---	---	---	1,18	down
6356275	7319937	1672280	---	---	---	1,03	down
6356306	7361223	1772622	---	---	---	1,19	down
6356321	7233012	1455403	---	---	---	1,02	down
6356401	7132125	1206620	---	---	---	1,04	down
6356403	7286807	1588780	---	---	---	1,16	down
6356475	7032204	966151	---	---	---	1,03	down
6356490	7240569	1475470	---	---	---	1,04	down
6356551	7065655	1045264	---	---	---	1,81	down
6356605	7078273	1075822	---	---	---	1,33	down
6356648	7230886	1449526	---	---	---	1,06	down
6356659	7320337	1673328	---	---	---	1,04	up
6356672	7031576	964108	---	---	---	1,11	down
6356673	7043535	994083	---	---	---	1,07	up
6356788	7258545	1518927	---	---	---	1,18	down
6356934	7240569	1475510	---	---	---	1,13	up
6357043	7263652	1531624	---	---	---	1,48	up

6357338	7321029	1674824	---	---	---	1,15	down
6357531	7189778	1349289	---	---	---	1,08	up
6357566	7039463	984244	---	---	---	1,26	down
6357632	7214363	1408968	---	---	---	1,56	up
6357645	7142081	1230958	---	---	---	1,10	down
6357665	7287337	1589970	---	---	---	1,06	down
6357705	7367305	1786993	---	---	---	1,34	up
6357715	7352252	1750569	---	---	---	1,17	down
6357808	7037764	980111	---	---	---	1,40	down
6357879	7101400	1130916	---	---	---	1,94	down
6357893	7217269	1415916	---	---	---	1,14	down
6357908	7327169	1688450	---	---	---	1,41	up
6357930	7208330	1395091	---	---	---	2,39	down
6357954	7373634	1805721	---	---	---	1,41	up
6357986	7072552	1062127	---	---	---	1,13	up
6358036	7031774	964760	---	---	---	1,03	down
6358141	7139026	1223514	---	---	---	1,35	up
6358148	7217747	1417474	---	---	---	1,01	down
6358158	7258670	1519337	---	---	---	1,12	up
6358203	7092965	1110160	---	---	---	1,19	down
6358230	7325416	1684601	---	---	---	1,02	down
6358311	7038316	981459	---	---	---	1,26	down
6358380	7150631	1252179	---	---	---	1,16	down
6358402	7367969	1789095	---	---	---	1,27	up
6358557	7168858	1296835	---	---	---	1,32	up
6358642	7067556	1050047	---	---	---	1,01	up
6358668	7181105	1327965	---	---	---	2,04	down
6358676	7316644	1664000	---	---	---	1,00	up
6358782	7089238	1101612	---	---	---	1,01	up
6358866	7233970	1458274	---	---	---	1,24	up
6359004	7312627	1653490	---	---	---	1,15	down
6359142	7376206	1811973	---	---	---	1,15	down
6359262	7240665	1475833	---	---	---	1,18	up
6359296	7240665	1475825	---	---	---	1,16	down
6359312	7210387	1400042	---	---	---	2,01	up
6359332	7136977	1218808	---	---	---	1,18	down
6359376	7059584	1030555	---	---	---	1,61	down
6359406	7098411	1123690	---	---	---	1,02	down
6359433	7070836	1058352	---	---	---	1,47	down
6359518	7180620	1326389	---	---	---	1,10	down
6359527	7384073	1829454	---	---	---	1,52	down
6359542	7056304	1023547	---	---	---	1,61	down
6359650	7105814	1141785	---	---	---	1,13	down
6359653	7279568	1572012	---	---	---	1,02	up
6359690	7268457	1543637	---	---	---	1,67	up
6359728	7076236	1071215	---	---	---	1,61	up
6359814	7384509	1830742	---	---	---	1,07	down
6359839	7117526	1171003	---	---	---	1,05	down
6360068	7161841	1279878	---	---	---	1,00	down
6360098	7240569	1475404	---	---	---	1,69	down
6360139	7123357	1185605	---	---	---	1,00	up
6360371	7064905	1043437	---	---	---	1,10	down
6360405	7197638	1369573	---	---	---	1,54	up
6360470	7189689	1349051	---	---	---	1,25	down
6360647	7116614	1168788	---	---	---	1,02	up
6360684	7032444	966765	---	---	---	1,20	up

6360693	7071969	1060903	---	---	---	1,05	down
6360720	7167823	1293894	---	---	---	1,22	down
6360822	7280743	1574537	---	---	---	2,32	down
6360860	7084993	1090692	---	---	---	1,11	down
6360889	7311218	1650352	---	---	---	1,16	down
6361131	7243130	1480840	---	---	---	1,33	down
6361140	7287222	1589744	---	---	---	1,41	up
6361144	7323522	1679867	---	---	---	1,01	up
6361229	7155116	1263411	---	---	---	1,28	down
6361303	7330238	1695942	---	---	---	1,55	down
6361372	7180243	1325504	---	---	---	1,42	down
6361397	7330727	1697139	---	---	---	1,70	down
6361449	7361223	1772627	---	---	---	1,12	down
6361507	7193056	1358288	---	---	---	1,05	up
6361570	7098451	1123824	---	---	---	1,33	up
6361660	7064134	1041426	---	---	---	1,31	up
6361663	7284359	1583436	---	---	---	1,18	down
6361746	7108300	1147904	---	---	---	2,64	up
6361818	7111244	1155382	---	---	---	1,32	up
6361967	7118356	1173132	---	---	---	1,23	down
6362083	7370412	1796838	---	---	---	1,08	down
6362100	7281507	1576700	---	---	---	1,12	down
6362104	7257976	1517712	---	---	---	1,55	down
6362128	7321029	1674833	---	---	---	1,39	up
6362177	7168858	1296820	---	---	---	1,23	down
6362191	7231835	1452286	---	---	---	1,15	down
6362253	7117526	1171034	---	---	---	1,02	down
6362302	7353712	1753965	---	---	---	1,05	up
6362537	7339379	1718328	---	---	---	1,04	down
6362584	7032395	966581	---	---	---	1,05	up
6362608	7286807	1588841	---	---	---	1,23	up
6362650	7328920	1693020	---	---	---	1,08	up
6362691	7065265	1044572	---	---	---	1,22	up
6362742	7344530	1731571	---	---	---	1,13	down
6362758	7351951	1749830	---	---	---	1,05	up
6362846	7238202	1468951	---	---	---	1,23	down
6362932	7294264	1606838	---	---	---	1,63	up
6362952	7049118	1007791	---	---	---	1,02	up
6363055	7351951	1749832	---	---	---	1,11	down
6363229	7364346	1779981	---	---	---	1,09	up
6363245	7286807	1588811	---	---	---	1,19	up
6363367	7349804	1744567	---	---	---	1,11	up
6363422	7202550	1381609	---	---	---	1,15	up
6363482	7078666	1076513	---	---	---	1,12	up
6363594	7146093	1240956	---	---	---	1,33	up
6363640	7162144	1280516	---	---	---	1,61	up
6363820	7068853	1053114	---	---	---	1,12	down
6364022	7319259	1670398	---	---	---	1,13	down
6364039	7243130	1480926	---	---	---	1,16	down
6364069	7330238	1695926	---	---	---	1,00	down
6364106	7181193	1328297	---	---	---	1,21	down
6364132	7344530	1731557	---	---	---	1,05	up
6364200	7165954	1288770	---	---	---	1,13	down
6364259	7350993	1747512	---	---	---	1,55	down
6364275	7143240	1234175	---	---	---	1,10	down
6364443	7152726	1257078	---	---	---	2,11	down

6364488	7267802	1541834	---	---	---	1,25	down
6364522	7190844	1352169	---	---	---	1,37	down
6364566	7100257	1128220	---	---	---	1,21	up
6364846	7127257	1194801	---	---	---	1,43	up
6364884	7099573	1126728	---	---	---	1,49	up
6364945	7043379	993652	---	---	---	1,20	down
6364969	7255522	1511389	---	---	---	1,09	up
6365038	7095021	1115134	---	---	---	1,27	down
6365106	7277783	1567464	---	---	---	2,74	down
6365176	7109373	1150986	---	---	---	1,13	up
6365222	7186443	1341311	---	---	---	1,18	up
6365223	7041609	989579	---	---	---	1,10	down
6365245	7159036	1272963	---	---	---	1,01	down
6365395	7330727	1697143	---	---	---	1,06	down
6365398	7198325	1371352	---	---	---	3,11	down
6365430	7082574	1085138	---	---	---	1,09	down
6365444	7071681	1060283	---	---	---	1,09	up
6365522	7291032	1599331	---	---	---	1,02	up
6365590	7157341	1269245	---	---	---	1,89	down
6365735	7126658	1193170	---	---	---	1,43	up
6366034	7371253	1799568	---	---	---	1,05	up
6366052	7086966	1095282	---	---	---	1,11	down
6366171	7060851	1033362	---	---	---	1,34	down
6366180	7307721	1641997	---	---	---	1,00	up
6366198	7274892	1559541	---	---	---	1,10	up
6366259	7350993	1747550	---	---	---	1,06	down
6366371	7183182	1333580	---	---	---	1,08	up
6366415	7031774	964768	---	---	---	1,20	down
6366703	7099517	1126486	---	---	---	1,09	down
6366862	7323545	1679954	---	---	---	1,14	down
6367052	7217747	1417503	---	---	---	1,06	up
6367111	7277719	1567090	---	---	---	2,07	down
6367210	7069464	1054666	---	---	---	1,02	up
6367216	7180861	1327184	---	---	---	1,04	down
6367247	7312575	1653362	---	---	---	1,14	up
6367268	7323545	1679985	---	---	---	1,61	down
6367353	7287222	1589723	---	---	---	1,24	down
6367394	7061550	1035279	---	---	---	1,87	down
6367396	7183927	1335498	---	---	---	1,02	up
6367473	7034603	972868	---	---	---	1,14	up
6367476	7328695	1692381	---	---	---	1,07	up
6367583	7060851	1033359	---	---	---	1,05	down
6367679	7350489	1746120	---	---	---	1,05	down
6367808	7043379	993595	---	---	---	1,35	down
6367816	7243647	1482451	---	---	---	1,19	up
6367833	7153589	1259068	---	---	---	1,43	down
6367835	7344406	1731265	---	---	---	1,10	up
6367893	7190317	1350514	---	---	---	1,00	up
6367902	7098366	1123609	---	---	---	1,07	up
6368094	7245695	1487060	---	---	---	1,08	up
6368210	7049399	1008384	---	---	---	1,20	down
6368224	7297523	1615430	---	---	---	2,00	up
6368263	7025652	950318	---	---	---	1,01	down
6368270	7203872	1384768	---	---	---	1,05	up
6368295	7144389	1236782	---	---	---	1,04	up
6368310	7200545	1376933	---	---	---	1,19	up

6368376	7254405	1508641	---	---	---	1,07	up
6368382	7243130	1480858	---	---	---	2,16	down
6368436	7033672	970368	---	---	---	1,50	down
6368530	7213908	1407689	---	---	---	1,06	down
6368538	7373906	1806369	---	---	---	1,11	down
6368539	7214363	1408973	---	---	---	1,10	down
6368562	7236358	1464246	---	---	---	1,16	down
6368619	7240569	1475517	---	---	---	1,43	down
6368828	7040260	986058	---	---	---	1,00	down
6368963	7316644	1664039	---	---	---	1,05	down
6368996	7376566	1812859	---	---	---	1,13	up
6369016	7166439	1290094	---	---	---	1,16	down
6369309	7280743	1574482	---	---	---	1,11	up
6369340	7065265	1044570	---	---	---	1,80	down
6369350	7340304	1720862	---	---	---	1,71	down
6369455	7380019	1820827	---	---	---	1,72	up
6369563	7273881	1557315	---	---	---	2,46	down
6369639	7329846	1694997	---	---	---	1,03	down
6369720	7097525	1121048	---	---	---	1,38	down
6369743	7340757	1721887	---	---	---	1,06	down
6369789	7351951	1749853	---	---	---	1,18	down
6369833	7339379	1718349	---	---	---	1,10	down
6369972	7195903	1365331	---	---	---	2,00	up
6369987	7064732	1042908	---	---	---	1,72	down
6370105	7189669	1348969	---	---	---	1,03	up
6370115	7161841	1279882	---	---	---	1,22	up
6370199	7277783	1567465	---	---	---	1,71	down
6370201	7356115	1760125	---	---	---	1,69	up
6370314	7272110	1553046	---	---	---	1,23	down
6370337	7025652	950346	---	---	---	1,05	down
6370374	7245921	1487677	---	---	---	1,24	down
6370392	7098810	1124657	---	---	---	1,61	down
6370405	7290585	1598177	---	---	---	1,12	up
6370476	7330078	1695459	---	---	---	1,21	down
6370505	7243603	1482284	---	---	---	1,16	up
6370698	7139085	1223660	---	---	---	1,04	down
6370996	7097680	1121733	---	---	---	1,09	up
6371052	7034293	971909	---	---	---	1,29	up
6371088	7311218	1650360	---	---	---	1,00	down
6371108	7337260	1712805	---	---	---	1,44	up
6371161	7360325	1770514	---	---	---	1,28	up
6371375	7363674	1778420	---	---	---	1,23	down
6371403	7378996	1818602	---	---	---	1,35	down
6371407	7196029	1365604	---	---	---	1,59	down
6371554	7030224	961133	---	---	---	1,03	down
6371621	7340838	1722089	---	---	---	1,04	down
6371664	7243653	1482526	---	---	---	1,30	up
6371837	7244290	1484152	---	---	---	1,24	up
6371869	7374790	1808780	---	---	---	1,38	down
6371986	7211389	1402119	---	---	---	1,23	up
6372276	7210387	1400037	---	---	---	1,21	up
6372288	7244602	1484780	---	---	---	1,20	down
6372289	7117158	1170031	---	---	---	1,47	down
6372428	7369938	1795531	---	---	---	1,13	down
6372471	7328833	1692796	---	---	---	1,79	down
6372494	7111361	1155606	---	---	---	1,21	up

6372514	7029770	960159	---	---	---	1,09	up
6372526	7364995	1781295	---	---	---	1,08	down
6372602	7339379	1718345	---	---	---	1,10	up
6372674	7034532	972656	---	---	---	1,40	up
6372677	7186464	1341385	---	---	---	1,67	up
6372822	7258545	1518924	---	---	---	1,59	up
6372957	7211389	1402113	---	---	---	1,14	down
6373043	7186305	1341002	---	---	---	1,29	down
6373268	7041609	989564	---	---	---	1,14	down
6373352	7115362	1165602	---	---	---	2,30	up
6373388	7247749	1491880	---	---	---	1,11	down
6373469	7358859	1767001	---	---	---	1,01	up
6373484	7367959	1789074	---	---	---	1,23	up
6373489	7049399	1008378	---	---	---	1,27	down
6373614	7138047	1221236	---	---	---	1,31	down
6373620	7036412	976854	---	---	---	1,10	down
6373637	7343122	1727737	---	---	---	1,31	down
6373731	7286807	1588833	---	---	---	1,15	down
6373777	7087492	1096689	---	---	---	1,49	up
6373793	7059375	1030074	---	---	---	1,34	up
6373813	7199476	1374557	---	---	---	1,04	down
6373815	7293646	1605409	---	---	---	1,04	up
6373941	7056333	1023679	---	---	---	1,09	up
6374030	7345465	1733842	---	---	---	1,08	down
6374063	7098366	1123624	---	---	---	1,26	down
6374074	7322020	1676645	---	---	---	1,15	up
6374092	7349946	1744951	---	---	---	1,09	up
6374199	7237711	1467431	---	---	---	1,33	down
6374237	7200545	1376917	---	---	---	1,24	up
6374285	7351951	1749838	---	---	---	1,27	up
6374322	7117158	1170031	---	---	---	1,50	down
6374385	7140113	1226048	---	---	---	1,45	down
6374482	7186440	1341252	---	---	---	1,33	down
6374674	7299204	1619545	---	---	---	1,19	up
6374684	7065655	1045263	---	---	---	1,02	up
6374769	7200545	1376902	---	---	---	1,29	up
6374773	7231203	1450435	---	---	---	1,14	down
6374793	7244290	1484165	---	---	---	1,10	up
6374831	7243647	1482428	---	---	---	1,08	down
6374916	7368613	1791620	---	---	---	1,13	up
6374960	7233440	1456903	---	---	---	1,06	up
6374972	7321029	1674819	---	---	---	1,58	up
6374974	7056333	1023674	---	---	---	1,39	down
6374981	7038530	981868	---	---	---	1,10	down
6375034	7276762	1564495	---	---	---	1,26	up
6375064	7220278	1423736	---	---	---	1,25	up
6375074	7281507	1576657	---	---	---	1,05	up
6375166	7098867	1124951	---	---	---	1,38	up
6375233	7200129	1375999	---	---	---	1,38	down
6375288	7131550	1205552	---	---	---	1,30	up
6375378	7295410	1609733	---	---	---	1,24	down
6375443	7067670	1050374	---	---	---	1,48	down
6375539	7162144	1280491	---	---	---	2,28	down
6375572	7360486	1770935	---	---	---	1,12	up
6375666	7201217	1378776	---	---	---	1,16	up
6375690	7312338	1652780	---	---	---	1,31	down

6375728	7034293	971972	---	---	---	1,12	up
6375774	7129578	1200051	---	---	---	1,09	up
6375787	7086966	1095281	---	---	---	1,11	down
6376094	7266706	1538746	---	---	---	1,24	down
6376097	7070616	1057779	---	---	---	1,38	down
6376119	7174149	1310487	---	---	---	1,01	down
6376128	7032083	965682	---	---	---	1,27	up
6376129	7191594	1354169	---	---	---	1,45	up
6376168	7338807	1716815	---	---	---	1,01	up
6376197	7280743	1574477	---	---	---	1,43	up
6376260	7068259	1051601	---	---	---	1,02	down
6376350	7280743	1574474	---	---	---	1,09	down
6376375	7280743	1574561	---	---	---	2,08	down
6376404	7350489	1746112	---	---	---	1,32	down
6376421	7384179	1829791	---	---	---	1,67	up
6376434	7052385	1014772	---	---	---	1,02	down
6376468	7075424	1069294	---	---	---	1,09	down
6376503	7280743	1574557	---	---	---	1,00	down
6376508	7193056	1358280	---	---	---	1,70	up
6376660	7274780	1559198	---	---	---	1,08	down
6376664	7274780	1559224	---	---	---	1,10	down
6376670	7228530	1443836	---	---	---	1,41	up
6376676	7088625	1099873	---	---	---	1,37	up
6376703	7065265	1044573	---	---	---	1,33	down
6376741	7241163	1476819	---	---	---	1,58	down
6376757	7087965	1098027	---	---	---	1,65	up
6376826	7271128	1550333	---	---	---	1,08	up
6376836	7338807	1716806	---	---	---	1,24	up
6376862	7033504	969858	---	---	---	1,00	up
6376946	7117832	1171754	---	---	---	1,01	down
6376975	7321414	1675635	---	---	---	1,05	down
6377102	7236395	1464340	---	---	---	1,46	up
6377116	7180721	1326700	---	---	---	1,03	down
6377195	7088164	1098492	---	---	---	1,49	up
6377261	7072225	1061401	---	---	---	1,28	down
6377278	7374842	1808993	---	---	---	1,07	up
6377472	7150631	1252175	---	---	---	1,80	up
6377720	7292657	1602835	---	---	---	1,28	down
6377737	7132125	1206597	---	---	---	1,19	down
6377743	7373678	1805856	---	---	---	1,20	up
6377818	7119179	1175003	---	---	---	1,24	down
6377852	7080106	1079738	---	---	---	1,34	down
6377866	7036870	977871	---	---	---	1,48	down
6377908	7351951	1749837	---	---	---	1,26	up
6377919	7377513	1815296	---	---	---	1,05	up
6377980	7361420	1773069	---	---	---	1,04	down
6378112	7160402	1276142	---	---	---	2,01	down
6378137	7198210	1370996	---	---	---	1,20	up
6378295	7341546	1723951	---	---	---	1,17	up
6378329	7251608	1501454	---	---	---	1,10	down
6378430	7332970	1702533	---	---	---	1,06	down
6378493	7226241	1437812	---	---	---	1,01	down
6378617	7245921	1487685	---	---	---	1,01	down
6378680	7343122	1727748	---	---	---	1,62	down
6378699	7323545	1679976	---	---	---	1,00	down
6378712	7119930	1177211	---	---	---	1,64	up

6378741	7075533	1069572	---	---	---	1,39	up
6378748	7168914	1297020	---	---	---	1,11	up
6378889	7178060	1320172	---	---	---	1,32	down
6378999	7122486	1183411	---	---	---	1,58	down
6379068	7378997	1818667	---	---	---	1,16	down
6379126	7364346	1779997	---	---	---	1,86	up
6379133	7346066	1735313	---	---	---	1,27	up
6379146	7248790	1494522	---	---	---	1,15	down
6379155	7240206	1474362	---	---	---	1,16	down
6379213	7025652	950323	---	---	---	1,00	up
6379258	7111573	1156030	---	---	---	1,04	up
6379309	7027797	956283	---	---	---	2,60	up
6379409	7058713	1028667	---	---	---	1,52	down
6379525	7301895	1626718	---	---	---	1,11	up
6379532	7199476	1374532	---	---	---	1,20	down
6379551	7186464	1341387	---	---	---	2,09	up
6379559	7097525	1121055	---	---	---	1,23	down
6379724	7211363	1402054	---	---	---	1,95	up
6379983	7337260	1712790	---	---	---	1,11	up
6380054	7376206	1811979	---	---	---	2,26	up
6380069	7243130	1480882	---	---	---	1,47	down
6380145	7068259	1051645	---	---	---	1,27	down
6380213	7229886	1447146	---	---	---	1,12	up
6380216	7362184	1774846	---	---	---	1,36	up
6380244	7037235	978583	---	---	---	1,21	down
6380375	7378997	1818669	---	---	---	1,15	down
6380393	7297589	1615612	---	---	---	1,04	down
6380450	7237719	1467533	---	---	---	1,12	up
6380468	7086975	1095324	---	---	---	1,10	down
6380512	7031618	964187	---	---	---	1,13	up
6380608	7069724	1055333	---	---	---	1,13	down
6380613	7319065	1669979	---	---	---	1,28	down
6380871	7198210	1370976	---	---	---	1,09	down
6381069	7060851	1033414	---	---	---	1,02	down
6381106	7339732	1719239	---	---	---	1,04	up
6381137	7112225	1157606	---	---	---	1,06	up
6381205	7258323	1518480	---	---	---	3,58	down
6381296	7112671	1158976	---	---	---	2,49	up
6381314	7217650	1417184	---	---	---	1,88	down
6381341	7307721	1642011	---	---	---	1,37	up
6381377	7088625	1099867	---	---	---	1,99	down
6381608	7214363	1408973	---	---	---	1,33	up
6381722	7337492	1713402	---	---	---	1,29	up
6381751	7050710	1011174	---	---	---	1,01	down
6381773	7065655	1045260	---	---	---	1,14	up
6381832	7320337	1673323	---	---	---	1,18	up
6381909	7373678	1805882	---	---	---	1,17	up
6381970	7054958	1020579	---	---	---	1,58	down
6381981	7332322	1701229	---	---	---	1,17	up
6382025	7213908	1407758	---	---	---	1,10	down
6382034	7336931	1711871	---	---	---	1,07	up
6382111	7099030	1125334	---	---	---	1,25	down
6382117	7162144	1280505	---	---	---	1,37	down
6382222	7237132	1466106	---	---	---	1,25	down
6382253	7198210	1371000	---	---	---	1,79	up
6382293	7068853	1053125	---	---	---	1,25	down

6382306	7217747	1417511	---	---	---	1,34	down
6382423	7181016	1327786	---	---	---	1,39	up
6382429	7055781	1022263	---	---	---	1,10	up
6382459	7371643	1800656	---	---	---	2,46	up
6382464	7334331	1705688	---	---	---	1,37	down
6382658	7362184	1774813	---	---	---	1,05	down
6382712	7359551	1768623	---	---	---	1,03	down
6383114	7297589	1615613	---	---	---	1,33	down
6383117	7267802	1541841	---	---	---	1,02	up
6383235	7384365	1830269	---	---	---	1,01	down
6383237	7064134	1041445	---	---	---	1,08	down
6383442	7371253	1799562	---	---	---	1,05	up
6383524	7253088	1505124	---	---	---	1,18	up
6383560	7132024	1206343	---	---	---	1,32	down
6383584	7118356	1173173	---	---	---	1,23	down
6383775	7330396	1696340	---	---	---	2,09	down
6383822	7068259	1051599	---	---	---	1,45	up
6383829	7213945	1407837	---	---	---	2,09	up
6383832	7068259	1051662	---	---	---	1,56	up
6383964	7086522	1093950	---	---	---	1,61	up
6384102	7274892	1559562	---	---	---	1,59	down
6384197	7071264	1059296	---	---	---	1,20	up
6384279	7277783	1567472	---	---	---	1,03	down
6384322	7174149	1310525	---	---	---	1,01	down
6384360	7033337	969498	---	---	---	1,12	up
6384392	7373906	1806361	---	---	---	1,02	up
6384433	7188138	1345033	---	---	---	1,35	up
6384439	7103782	1136947	---	---	---	2,25	up
6384488	7257963	1517683	---	---	---	1,04	down
6384552	7281507	1576716	---	---	---	2,22	up
6384589	7282343	1578669	---	---	---	1,27	down
6384599	7229886	1447168	---	---	---	1,12	up
6384683	7199476	1374554	---	---	---	1,24	down
6384687	7339379	1718333	---	---	---	1,16	down
6384752	7064224	1041771	---	---	---	1,01	up
6384815	7369400	1793984	---	---	---	1,24	down
6384884	7240569	1475371	---	---	---	1,03	up
6384906	7330238	1695946	---	---	---	1,04	up
6384959	7277783	1567451	---	---	---	1,87	up
6384976	7235521	1462144	---	---	---	1,56	up
6385079	7197820	1370103	---	---	---	1,97	up
6385127	7287222	1589741	---	---	---	1,16	down
6385175	7321029	1674809	---	---	---	1,15	up
6385189	7359551	1768642	---	---	---	1,15	down
6385331	7033504	969858	---	---	---	1,35	down
6385350	7065655	1045236	---	---	---	1,23	up
6385393	7356115	1760132	---	---	---	1,16	up
6385423	7363674	1778457	---	---	---	2,43	down
6385523	7373906	1806356	---	---	---	1,28	down
6385624	7376206	1811979	---	---	---	1,21	up
6385791	7248790	1494506	---	---	---	1,85	up
6385986	7156170	1266237	---	---	---	1,20	down
6386045	7289382	1595200	---	---	---	1,07	down
6386092	7040260	986077	---	---	---	1,18	down
6386118	7069253	1054165	---	---	---	1,28	up
6386181	7188681	1346290	---	---	---	1,24	down

6386439	7367946	1788948	---	---	---	1,32	down
6386440	7142081	1230967	---	---	---	1,17	down
6386575	7280743	1574543	---	---	---	1,44	up
6386617	7244602	1484761	---	---	---	1,01	down
6386658	7370843	1798378	---	---	---	1,02	up
6386747	7106414	1143197	---	---	---	1,02	up
6386760	7139085	1223673	---	---	---	1,08	down
6386851	7280743	1574501	---	---	---	1,29	down
6386909	7086966	1095285	---	---	---	1,13	up
6387135	7156978	1268174	---	---	---	1,30	down
6387180	7155116	1263426	---	---	---	1,31	down
6387247	7243603	1482261	---	---	---	1,74	down
6387303	7080731	1080972	---	---	---	1,06	down
6387344	7288095	1592077	---	---	---	1,59	down
6387532	7281140	1575714	---	---	---	1,33	up
6387557	7343122	1727733	---	---	---	1,21	up
6387740	7098867	1124949	---	---	---	1,02	up
6387801	7358048	1764806	---	---	---	2,06	down
6387893	7214605	1409401	---	---	---	1,16	down
6387979	7296131	1611504	---	---	---	1,03	up
6387987	7316644	1663986	---	---	---	1,01	up
6388062	7075424	1069292	---	---	---	1,07	down
6388303	7248790	1494552	---	---	---	1,05	down
6388304	7097525	1121059	---	---	---	1,09	up
6388349	7096886	1119414	---	---	---	1,04	up
6388392	7168858	1296825	---	---	---	1,09	down
6388440	7198210	1370954	---	---	---	1,38	up
6388514	7032444	966750	---	---	---	1,50	up
6388555	7249388	1495887	---	---	---	1,55	up
6388681	7331434	1699197	---	---	---	1,01	up
6388711	7188138	1344999	---	---	---	1,20	up
6388737	7059970	1031458	---	---	---	1,62	down
6388790	7072225	1061405	---	---	---	1,31	down
6388813	7226241	1437811	---	---	---	1,07	up
6388848	7169573	1298391	---	---	---	3,42	down
6388866	7258520	1518884	---	---	---	1,10	down
6389012	7297589	1615667	---	---	---	1,02	up
6389050	7275927	1562353	---	---	---	1,21	up
6389148	7260613	1524274	---	---	---	1,41	up
6389205	7038669	982186	---	---	---	1,01	up
6389376	7243363	1481603	---	---	---	1,10	down
6389392	7248790	1494553	---	---	---	1,01	down
6389404	7052331	1014567	---	---	---	1,00	down
6389529	7032444	966735	---	---	---	1,16	down
6389564	7267802	1541812	---	---	---	1,56	up
6389592	7352046	1750027	---	---	---	1,44	up
6389634	7070836	1058348	---	---	---	1,26	up
6389655	7133612	1210270	---	---	---	1,49	down
6389683	7337224	1712584	---	---	---	1,20	up
6389692	7279303	1571202	---	---	---	1,04	up
6389711	7287222	1589724	---	---	---	1,34	down
6389791	7101258	1130557	---	---	---	1,82	down
6389839	7237719	1467477	---	---	---	1,35	up
6389883	7323545	1679947	---	---	---	1,26	down
6389991	7132263	1206895	---	---	---	1,04	up
6390001	7275718	1561759	---	---	---	1,67	up

6390025	7280743	1574496	---	---	---	1,14	up
6390050	7281507	1576700	---	---	---	1,13	up
6390086	7233359	1456508	---	---	---	1,12	up
6390100	7240569	1475326	---	---	---	1,68	down
6390200	7299512	1620549	---	---	---	1,27	up
6390362	7071264	1059363	---	---	---	1,20	down
6390412	7244288	1484093	---	---	---	1,05	down
6390413	7025652	950351	---	---	---	1,42	up
6390418	7038669	982184	---	---	---	1,05	down
6390434	7236492	1464540	---	---	---	1,13	down
6390484	7330396	1696354	---	---	---	1,55	down
6390799	7264797	1534438	---	---	---	1,15	down
6390808	7229856	1447080	---	---	---	1,07	down
6390825	7029770	960158	---	---	---	1,26	down
6390828	7127540	1195272	---	---	---	1,30	down
6390872	7236597	1464782	---	---	---	1,33	down
6390942	7092549	1109155	---	---	---	1,48	down
6391117	7098810	1124649	---	---	---	1,13	up
6391172	7076236	1071230	---	---	---	2,95	down
6391276	7120169	1177814	---	---	---	1,28	up
6391354	7301022	1624252	---	---	---	1,44	down
6391414	7087492	1096699	---	---	---	1,10	up
6391442	7359460	1768473	---	---	---	1,54	up
6391475	7201217	1378762	---	---	---	2,88	up
6391826	7168914	1297020	---	---	---	2,16	up
6391878	7072754	1062642	---	---	---	1,16	down
6391906	7096859	1119331	---	---	---	1,11	up
6392146	7103811	1137050	---	---	---	1,13	up
6392202	7286807	1588834	---	---	---	1,40	down
6392299	7119179	1174989	---	---	---	1,13	down
6392311	7058713	1028668	---	---	---	1,50	down
6392356	7156170	1266286	---	---	---	1,11	up
6392401	7072754	1062660	---	---	---	1,02	down
6392468	7096898	1119519	---	---	---	2,03	up
6392502	7230611	1448824	---	---	---	1,19	up
6392562	7224182	1432758	---	---	---	1,01	down
6392672	7258784	1519670	---	---	---	2,12	up
6392679	7030454	961551	---	---	---	1,04	up
6392832	7092549	1109188	---	---	---	1,16	up
6392884	7242490	1479431	---	---	---	1,29	up
6392898	7104977	1140170	---	---	---	1,08	down
6392923	7330737	1697218	---	---	---	1,74	up
6393150	7190844	1352146	---	---	---	1,29	up
6393422	7253272	1505553	---	---	---	1,00	up
6393466	7247848	1492067	---	---	---	5,69	down
6393513	7097525	1121052	---	---	---	1,74	down
6393525	7312575	1653359	---	---	---	1,03	up
6393731	7064856	1043216	---	---	---	1,27	down
6393794	7277783	1567452	---	---	---	2,24	up
6393962	7099030	1125329	---	---	---	1,34	down
6394075	7274593	1558813	---	---	---	1,07	down
6394099	7123357	1185601	---	---	---	2,15	up
6394203	7369031	1793013	---	---	---	1,68	down
6394501	7243647	1482459	---	---	---	1,02	down
6394505	7059702	1030774	---	---	---	1,05	down
6394567	7274585	1558777	---	---	---	1,04	down

6394614	7181961	1330348	---	---	---	1,18	down
6394631	7115362	1165604	---	---	---	1,04	down
6394705	7068259	1051639	---	---	---	1,67	down
6394746	7142081	1230965	---	---	---	1,61	up
6394749	7112225	1157548	---	---	---	1,22	up
6394753	7380019	1820829	---	---	---	1,09	up
6394825	7068259	1051620	---	---	---	1,12	up
6394843	7217747	1417500	---	---	---	1,31	down
6394856	7248790	1494560	---	---	---	1,17	down
6394905	7225553	1435977	---	---	---	1,20	down
6395016	7068073	1051166	---	---	---	1,06	down
6395045	7236395	1464332	---	---	---	1,09	up
6395051	7280743	1574495	---	---	---	1,00	down
6395086	7111573	1156020	---	---	---	3,20	down
6395166	7113083	1159980	---	---	---	1,03	down
6395169	7098451	1123808	---	---	---	1,72	down
6395200	7319259	1670396	---	---	---	1,06	up
6395240	7088625	1099878	---	---	---	1,02	up
6395348	7301890	1626684	---	---	---	1,16	down
6395412	7255120	1510371	---	---	---	1,24	up
6395467	7028624	958003	---	---	---	1,12	up
6395530	7186106	1340494	---	---	---	2,46	down
6395595	7153589	1259071	---	---	---	1,66	down
6395644	7112562	1158606	---	---	---	1,03	down
6395680	7037806	980195	---	---	---	1,45	down
6395756	7112570	1158679	---	---	---	1,50	up
6395813	7031774	964711	---	---	---	2,08	up
6395848	7237132	1466106	---	---	---	1,00	up
6395896	7174149	1310523	---	---	---	1,10	up
6396007	7348487	1741252	---	---	---	1,24	up
6396008	7093936	1112476	---	---	---	1,09	up
6396260	7263152	1530374	---	---	---	1,09	down
6396271	7243363	1481628	---	---	---	1,23	up
6396305	7087282	1096169	---	---	---	1,05	up
6396403	7329135	1693489	---	---	---	1,92	down
6396411	7056333	1023699	---	---	---	1,10	up
6396422	7261019	1525281	---	---	---	1,75	down
6396491	7049118	1007772	---	---	---	1,03	down
6396512	7059766	1030977	---	---	---	2,19	down
6396547	7146093	1240987	---	---	---	1,20	up
6396580	7093806	1112151	---	---	---	4,04	down
6396674	7247228	1490529	---	---	---	1,84	down
6396722	7037764	980038	---	---	---	1,10	up
6396760	7282343	1578686	---	---	---	2,14	up
6396856	7330396	1696336	---	---	---	1,02	down
6396920	7043452	993838	---	---	---	1,28	up
6396927	7067828	1050789	---	---	---	1,00	up
6396964	7239752	1473195	---	---	---	1,20	down
6397047	7255755	1511913	---	---	---	1,51	up
6397062	7072765	1062743	---	---	---	1,58	down
6397142	7344530	1731563	---	---	---	1,16	down
6397425	7098126	1122981	---	---	---	1,19	up
6397503	7339379	1718360	---	---	---	1,26	up
6397545	7332970	1702551	---	---	---	1,62	down
6397569	7333462	1703648	---	---	---	1,42	down
6397575	7068942	1053385	---	---	---	1,31	down

6397723	7190534	1351213	---	---	---	1,00	up
6397724	7244290	1484166	---	---	---	1,03	down
6397728	7180732	1326729	---	---	---	1,07	up
6397790	7280743	1574483	---	---	---	1,36	down
6397797	7301895	1626708	---	---	---	1,54	down
6397801	7384509	1830749	---	---	---	1,27	down
6397819	7070836	1058334	---	---	---	1,09	up
6398017	7150497	1251792	---	---	---	1,04	up
6398021	7243130	1480944	---	---	---	1,57	down
6398064	7352044	1750004	---	---	---	1,11	down
6398067	7065655	1045264	---	---	---	1,70	up
6398081	7237719	1467489	---	---	---	1,34	up
6398236	7271128	1550315	---	---	---	1,48	down
6398268	7364346	1779989	---	---	---	2,83	up
6398408	7079905	1079345	---	---	---	1,18	down
6398433	7185483	1338926	---	---	---	1,30	down
6398458	7069253	1054163	---	---	---	1,14	up
6398762	7196029	1365632	---	---	---	1,47	down
6398813	7060851	1033437	---	---	---	1,18	down
6398884	7064468	1042376	---	---	---	1,14	up
6399147	7236395	1464318	---	---	---	1,08	down
6399166	7319937	1672256	---	---	---	1,31	up
6399281	7316644	1664018	---	---	---	1,06	up
6399362	7041609	989547	---	---	---	1,21	down
6399431	7234195	1458981	---	---	---	1,25	up
6399556	7083160	1086554	---	---	---	1,02	up
6399583	7339387	1718380	---	---	---	1,14	down
6399641	7181105	1327967	---	---	---	1,28	up
6399686	7037764	979989	---	---	---	1,23	down
6399690	7330737	1697220	---	---	---	1,06	down
6399707	7245874	1487596	---	---	---	2,02	down
6399835	7211389	1402112	---	---	---	1,04	down
6399869	7360486	1770976	---	---	---	1,30	down
6399997	7127797	1195856	---	---	---	1,06	down
6400014	7243647	1482460	---	---	---	1,04	up
6400024	7350237	1745497	---	---	---	1,10	up
6400049	7210600	1400515	---	---	---	1,58	up
6400143	7067670	1050322	---	---	---	1,14	up
6400194	7224035	1432401	---	---	---	1,95	down
6400208	7321414	1675633	---	---	---	1,15	down
6400295	7271213	1550633	---	---	---	1,03	up
6400419	7196966	1367633	---	---	---	2,19	down
6400590	7197056	1367845	---	---	---	1,34	up
6400606	7168858	1296827	---	---	---	1,16	up
6400611	7127540	1195288	---	---	---	1,12	up
6400639	7351951	1749821	---	---	---	1,26	up
6400646	7064224	1041799	---	---	---	1,44	up
6400773	7232340	1453522	---	---	---	1,14	down
6400792	7297523	1615448	---	---	---	1,23	up
6400839	7379957	1820631	---	---	---	2,61	down
6400987	7218728	1419921	---	---	---	1,13	up
6401006	7064732	1042929	---	---	---	1,06	down
6401034	7368004	1789332	---	---	---	1,19	up
6401040	7027759	956132	---	---	---	1,56	up
6401062	7248790	1494535	---	---	---	1,51	up
6401068	7210600	1400523	---	---	---	1,15	down

6401090	7213945	1407828	---	---	---	1,96	up
6401224	7284501	1583850	---	---	---	1,21	down
6401240	7191594	1354228	---	---	---	1,16	up
6401287	7040260	986057	---	---	---	1,17	up
6401369	7060851	1033401	---	---	---	1,09	down
6401543	7373633	1805699	---	---	---	1,16	down
6401544	7120690	1179048	---	---	---	1,68	up
6401567	7053874	1018325	---	---	---	1,07	up
6401570	7280743	1574490	---	---	---	1,19	down
6401716	7067828	1050797	---	---	---	1,09	down
6401754	7232340	1453530	---	---	---	1,04	up
6401776	7072608	1062297	---	---	---	1,01	down
6401785	7278898	1570296	---	---	---	2,59	down
6401800	7053874	1018332	---	---	---	1,09	down
6401802	7196803	1367332	---	---	---	1,36	up
6401827	7181016	1327789	---	---	---	1,49	down
6401856	7337260	1712802	---	---	---	1,05	down
6402241	7067670	1050310	---	---	---	1,44	up
6402317	7331413	1699129	---	---	---	1,26	up
6402336	7096859	1119327	---	---	---	1,15	up
6402378	7132024	1206337	---	---	---	1,04	down
6402382	7221420	1426262	---	---	---	1,10	up
6402448	7321414	1675628	---	---	---	1,01	down
6402515	7236991	1465784	---	---	---	1,74	down
6402699	7243130	1480939	---	---	---	1,01	up
6402788	7333333	1703396	---	---	---	1,09	down
6402948	7196233	1366104	---	---	---	1,02	up
6402950	7345465	1733865	---	---	---	1,24	up
6403019	7214363	1408972	---	---	---	1,46	down
6403245	7197056	1367843	---	---	---	1,12	up
6403306	7318596	1668936	---	---	---	1,10	down
6403464	7320337	1673320	---	---	---	1,01	down
6403621	7373678	1805854	---	---	---	1,39	up
6403652	7137646	1220430	---	---	---	1,26	down
6403731	7049399	1008428	---	---	---	1,46	up
6403815	7193056	1358250	---	---	---	1,38	up
6403870	7248790	1494547	---	---	---	1,12	down
6403930	7253408	1505953	---	---	---	1,18	down
6404004	7069830	1055589	---	---	---	1,71	down
6404013	7134773	1212969	---	---	---	1,03	down
6404022	7196029	1365621	---	---	---	1,44	up
6404163	7218728	1419925	---	---	---	1,10	down
6404174	7280743	1574542	---	---	---	1,24	down
6404242	7337902	1714543	---	---	---	1,17	up
6404251	7373732	1805974	---	---	---	1,58	down
6404264	7313905	1656853	---	---	---	2,17	down
6404324	7038153	981148	---	---	---	1,45	up
6404332	7333333	1703395	---	---	---	1,46	down
6404364	7144088	1236189	---	---	---	1,21	up
6404399	7233440	1456827	---	---	---	1,08	down
6404524	7243653	1482539	---	---	---	1,17	up
6404554	7217650	1417210	---	---	---	1,01	up
6404573	7376566	1812851	---	---	---	1,52	up
6404724	7111066	1154950	---	---	---	1,83	down
6404752	7340304	1720867	---	---	---	2,26	down
6404774	7286807	1588782	---	---	---	1,39	down

6404775	7333462	1703645	---	---	---	1,02	down
6404788	7102510	1133857	---	---	---	1,37	up
6404799	7052385	1014789	---	---	---	1,09	down
6404818	7216132	1413399	---	---	---	1,17	up
6404937	7243363	1481594	---	---	---	1,18	down
6404944	7280743	1574544	---	---	---	1,18	up
6405009	7213908	1407661	---	---	---	1,17	down
6405028	7363674	1778408	---	---	---	1,01	up
6405066	7161300	1278550	---	---	---	1,24	up
6405069	7292154	1601631	---	---	---	1,08	down
6405073	7076160	1070912	---	---	---	1,32	down
6405288	7183927	1335503	---	---	---	1,16	up
6405368	7131360	1204976	---	---	---	1,03	up
6405432	7056333	1023678	---	---	---	1,24	down
6405464	7233359	1456510	---	---	---	1,16	down
6405537	7211363	1402038	---	---	---	1,95	down
6405570	7039223	983558	---	---	---	1,02	up
6405584	7293757	1605688	---	---	---	1,05	down
6405630	7189669	1348967	---	---	---	1,37	down
6405648	7084999	1090707	---	---	---	1,40	down
6405754	7380497	1821833	---	---	---	1,13	up
6405802	7244378	1484408	---	---	---	2,16	down
6405833	7345882	1734809	---	---	---	1,02	down
6405847	7365183	1781903	---	---	---	1,01	down
6405869	7034486	972530	---	---	---	1,07	down
6405892	7225553	1435978	---	---	---	1,34	down
6405897	7092549	1109149	---	---	---	1,10	up
6405901	7213945	1407853	---	---	---	1,41	down
6405918	7180732	1326741	---	---	---	1,10	up
6406025	7308679	1644240	---	---	---	1,04	up
6406092	7240569	1475445	---	---	---	1,05	down
6406310	7240569	1475470	---	---	---	1,81	down
6406330	7355220	1758094	---	---	---	1,23	up
6406357	7155286	1263908	---	---	---	1,84	down
6406362	7096924	1119610	---	---	---	1,15	up
6406626	7349882	1744782	---	---	---	1,06	down
6406678	7373906	1806367	---	---	---	1,03	down
6406735	7045955	1000745	---	---	---	2,37	down
6406820	7052813	1015937	---	---	---	1,21	down
6406825	7273251	1555946	---	---	---	1,07	down
6406835	7287337	1589969	---	---	---	1,55	down
6406839	7340838	1722088	---	---	---	1,23	down
6406910	7093936	1112461	---	---	---	1,14	up
6406922	7378878	1818322	---	---	---	1,46	down
6406964	7263152	1530352	---	---	---	1,09	down
6407028	7146982	1243283	---	---	---	1,07	up
6407088	7103337	1135965	---	---	---	1,12	up
6407345	7112225	1157553	---	---	---	1,04	down
6407375	7058713	1028664	---	---	---	1,18	down
6407382	7376820	1813419	---	---	---	1,14	up
6407390	7112570	1158653	---	---	---	1,17	down
6407459	7376206	1811980	---	---	---	1,23	down
6407526	7057277	1025526	---	---	---	1,15	down
6407539	7114108	1162459	---	---	---	1,36	down
6407568	7103337	1135964	---	---	---	1,03	down
6407668	7363674	1778443	---	---	---	1,58	down

6407730	7332970	1702533	---	---	---	1,10	up
6407748	7217679	1417302	---	---	---	1,75	down
6407780	7213908	1407686	---	---	---	1,04	down
6407801	7181590	1329429	---	---	---	1,02	down
6407867	7378997	1818656	---	---	---	1,09	down
6407892	7111361	1155580	---	---	---	1,57	down
6407938	7068259	1051627	---	---	---	1,12	down
6407987	7189184	1347568	---	---	---	1,41	down
6408096	7054958	1020578	---	---	---	1,05	up
6408102	7277783	1567455	---	---	---	2,25	down
6408265	7112225	1157550	---	---	---	1,11	up
6408530	7064732	1042918	---	---	---	1,27	up
6408751	7180861	1327184	---	---	---	1,04	up
6408761	7267380	1540403	---	---	---	1,40	down
6408883	7338807	1716827	---	---	---	1,48	down
6408920	7243098	1480752	---	---	---	1,39	up
6408975	7298692	1618406	---	---	---	1,32	up
6408988	7231835	1452285	---	---	---	1,22	up
6409026	7065655	1045261	---	---	---	1,22	down
6409107	7240569	1475451	---	---	---	1,02	down
6409111	7274892	1559553	---	---	---	1,02	down
6409127	7247228	1490525	---	---	---	1,31	down
6409175	7371643	1800658	---	---	---	1,03	up
6409197	7235521	1462150	---	---	---	1,09	up
6409249	7350489	1746112	---	---	---	1,48	up
6409326	7112225	1157547	---	---	---	1,01	down
6409336	7363674	1778405	---	---	---	1,24	down
6409523	7243647	1482430	---	---	---	1,04	down
6409559	7372840	1803770	---	---	---	1,30	down
6409594	7349882	1744784	---	---	---	3,16	up
6409840	7234195	1458973	---	---	---	1,07	up
6409888	7371643	1800649	---	---	---	1,00	down
6409930	7265259	1535441	---	---	---	1,53	down
6410039	7277783	1567419	---	---	---	3,08	down
6410185	7258520	1518872	---	---	---	1,02	down
6410214	7319486	1670931	---	---	---	1,02	down
6410288	7078666	1076507	---	---	---	2,11	down
6410539	7049332	1008177	---	---	---	1,04	up
6410851	7247229	1490540	---	---	---	1,06	up
6410853	7294264	1606839	---	---	---	1,25	up
6410870	7112225	1157614	---	---	---	1,19	down
6410955	7184850	1337612	---	---	---	1,13	up
6411105	7233425	1456777	---	---	---	1,01	down
6411351	7352100	1750192	---	---	---	2,42	up
6411399	7339110	1717611	---	---	---	1,24	up
6411511	7092965	1110161	---	---	---	1,31	down
6411546	7043535	994083	---	---	---	1,04	up
6411643	7290585	1598178	---	---	---	1,12	up
6411705	7267380	1540403	---	---	---	1,17	down
6411846	7253408	1505934	---	---	---	1,84	down
6411920	7352046	1750029	---	---	---	1,63	up
6412042	7331297	1698810	---	---	---	1,51	up
6412057	7131550	1205558	---	---	---	1,07	up
6412153	7358048	1764795	---	---	---	1,22	up
6412177	7139709	1225074	---	---	---	1,12	down
6412181	7193056	1358276	---	---	---	1,15	down

6412262	7248790	1494541	---	---	---	1,07	up
6412291	7068259	1051607	---	---	---	1,27	up
6412393	7365093	1781620	---	---	---	1,14	down
6412443	7374790	1808768	---	---	---	1,06	up
6412508	7210599	1400512	---	---	---	1,12	down
6412569	7068259	1051629	---	---	---	1,21	up
6412590	7133612	1210233	---	---	---	1,10	down
6412596	7256191	1512862	---	---	---	2,50	down
6412608	7237719	1467477	---	---	---	1,25	up
6412727	7156052	1265784	---	---	---	1,08	up
6412753	7340757	1721904	---	---	---	1,09	up
6412964	7254405	1508669	---	---	---	1,14	down
6412971	7184981	1337837	---	---	---	1,07	up
6413044	7243603	1482287	---	---	---	1,71	down
6413121	7247334	1490818	---	---	---	1,18	down
6413132	7238199	1468926	---	---	---	1,15	up
6413138	7269637	1546235	---	---	---	2,28	down
6413246	7363132	1776955	---	---	---	1,09	up
6413280	7248790	1494540	---	---	---	1,09	down
6413338	7161992	1280152	---	---	---	1,42	up
6413438	7373732	1805973	---	---	---	1,06	down
6413613	7358048	1764825	---	---	---	1,27	up
6413668	7148978	1248544	---	---	---	1,03	up
6413819	7171525	1303444	---	---	---	1,18	up
6413822	7289909	1596508	---	---	---	1,30	down
6413935	7258520	1518868	---	---	---	1,29	down
6413941	7373678	1805861	---	---	---	1,78	up
6414014	7377583	1815451	---	---	---	1,30	down
6414263	7286807	1588784	---	---	---	1,84	down
6414428	7030127	960865	---	---	---	1,57	up
6414542	7131764	1205854	---	---	---	1,27	up
6414603	7097525	1121056	---	---	---	1,29	down
6414607	7330238	1695949	---	---	---	1,54	up
6414642	7280743	1574560	---	---	---	1,03	up
6414667	7378997	1818645	---	---	---	1,13	up
6414730	7367994	1789245	---	---	---	1,24	up
6414735	7174281	1310876	---	---	---	1,06	up
6414801	7357815	1764147	---	---	---	1,48	down
6414817	7248964	1494948	---	---	---	1,34	up
6414852	7316644	1664032	---	---	---	1,14	up
6414864	7069830	1055620	---	---	---	1,10	down
6414921	7061367	1034851	---	---	---	1,03	up
6414927	7330396	1696361	---	---	---	1,39	down
6414937	7147809	1245455	---	---	---	1,23	down
6414958	7338807	1716779	---	---	---	1,01	up
6414994	7186443	1341310	---	---	---	1,25	down
6415050	7098411	1123691	---	---	---	1,06	down
6415129	7196029	1365606	---	---	---	1,05	up
6415166	7380497	1821863	---	---	---	1,04	up
6415267	7087282	1096160	---	---	---	1,21	up
6415345	7316644	1664017	---	---	---	1,79	down
6415428	7373906	1806357	---	---	---	1,38	down
6415599	7116614	1168787	---	---	---	1,43	down
6415623	7210263	1399763	---	---	---	1,02	up
6415648	7344702	1732140	---	---	---	1,03	up
6415667	7041584	989454	---	---	---	1,44	down

6415713	7039463	984245	---	---	---	1,17	down
6415767	7289909	1596509	---	---	---	1,70	up
6415901	7339379	1718348	---	---	---	1,10	down
6415934	7102976	1135045	---	---	---	1,09	up
6416015	7068259	1051660	---	---	---	1,03	up
6416389	7374740	1808618	---	---	---	1,16	up
6416437	7059584	1030546	---	---	---	1,09	down
6416612	7321414	1675639	---	---	---	1,08	down
6416620	7303616	1631385	---	---	---	1,11	down
6416660	7065827	1045721	---	---	---	1,03	up
6416688	7167507	1293124	---	---	---	1,38	down
6416796	7127540	1195274	---	---	---	1,18	down
6416802	7168309	1295347	---	---	---	1,37	down
6416837	7098126	1122972	---	---	---	1,19	up
6416890	7198210	1370994	---	---	---	1,57	up
6416924	7060851	1033405	---	---	---	1,05	up
6416993	7180620	1326388	---	---	---	1,10	up
6417058	7274892	1559577	---	---	---	1,07	down
6417159	7336931	1711874	---	---	---	1,20	down
6417201	7297589	1615624	---	---	---	1,07	down
6417220	7097240	1120370	---	---	---	1,16	up
6417400	7156372	1266705	---	---	---	1,30	up
6417414	7330396	1696356	---	---	---	1,20	down
6417473	7339379	1718353	---	---	---	1,32	down
6417673	7053874	1018326	---	---	---	1,13	down
6417684	7365183	1781907	---	---	---	1,08	up
6417776	7322020	1676648	---	---	---	1,03	down
6417835	7170764	1301467	---	---	---	1,35	up
6418082	7076236	1071210	---	---	---	1,20	down
6418128	7029078	958880	---	---	---	1,08	up
6418233	7246570	1489218	---	---	---	1,14	up
6418253	7161992	1280155	---	---	---	1,08	up
6418265	7120827	1179326	---	---	---	1,63	down
6418266	7138047	1221231	---	---	---	1,46	up
6418332	7086975	1095324	---	---	---	1,16	up
6418354	7336931	1711872	---	---	---	1,24	up
6418445	7240569	1475484	---	---	---	1,05	down
6418557	7297589	1615666	---	---	---	1,03	down
6418634	7253272	1505515	---	---	---	1,42	up
6418684	7360486	1770961	---	---	---	1,20	up
6418695	7344406	1731218	---	---	---	1,29	up
6418697	7036412	976875	---	---	---	1,08	up
6418722	7060851	1033406	---	---	---	1,01	down
6418811	7161841	1279881	---	---	---	1,06	down
6419033	7154655	1262315	---	---	---	1,47	down
6419067	7186106	1340496	---	---	---	1,61	up
6419279	7281923	1577699	---	---	---	1,06	up
6419380	7027797	956300	---	---	---	1,21	down
6419391	7083160	1086541	---	---	---	1,03	down
6419516	7199476	1374562	---	---	---	1,08	down
6419522	7351951	1749826	---	---	---	1,13	up
6419580	7069253	1054150	---	---	---	1,23	up
6419624	7039223	983554	---	---	---	1,14	down
6419708	7041061	988083	---	---	---	1,31	down
6419762	7318143	1668094	---	---	---	1,22	down
6419990	7072225	1061401	---	---	---	1,03	down

6420033	7323545	1679923	---	---	---	1,38	down
6420059	7364346	1780011	---	---	---	1,13	down
6420093	7037764	980085	---	---	---	1,05	up
6420188	7071714	1060351	---	---	---	1,15	down
6420286	7068073	1051175	---	---	---	1,43	up
6420288	7105814	1141776	---	---	---	1,27	down
6420320	7025652	950278	---	---	---	1,72	up
6420370	7058713	1028661	---	---	---	1,03	down
6420373	7303616	1631346	---	---	---	1,14	up
6420412	7343122	1727748	---	---	---	1,65	down
6420470	7336931	1711868	---	---	---	1,05	up
6420572	7188681	1346289	---	---	---	1,26	up
6420650	7096859	1119326	---	---	---	1,08	down
6420663	7263401	1530950	---	---	---	1,86	down
6420808	7101258	1130558	---	---	---	1,49	down
6420924	7217747	1417462	---	---	---	1,13	up
6420985	7099449	1126374	---	---	---	1,02	up
6421082	7070455	1057351	---	---	---	1,04	down
6421169	7248790	1494511	---	---	---	1,22	down
6421323	7030454	961553	---	---	---	1,09	up
6421375	7332059	1700725	---	---	---	1,28	up
6421383	7285061	1585156	---	---	---	1,24	down
6421464	7337224	1712605	---	---	---	1,12	up
6421526	7273744	1557007	---	---	---	1,36	down
6421559	7102113	1132835	---	---	---	1,18	up
6421607	7034293	971981	---	---	---	1,22	down
6421639	7112566	1158632	---	---	---	1,13	down
6421645	7249503	1496226	---	---	---	1,11	up
6421659	7196966	1367642	---	---	---	1,06	up
6421706	7336835	1711599	---	---	---	1,87	down
6421766	7155286	1263908	---	---	---	1,67	down
6421790	7050167	1009815	---	---	---	1,14	down
6421797	7033616	970190	---	---	---	1,02	up
6421842	7189689	1349055	---	---	---	1,02	up
6421907	7180721	1326695	---	---	---	1,25	up
6421909	7258670	1519349	---	---	---	1,33	down
6422086	7049689	1008898	---	---	---	1,69	up
6422176	7243653	1482540	---	---	---	1,97	down
6422181	7073673	1065087	---	---	---	1,13	down
6422267	7337522	1713619	---	---	---	2,36	down
6422333	7276650	1564126	---	---	---	1,32	up
6422345	7331413	1699128	---	---	---	1,17	down
6422452	7049399	1008383	---	---	---	1,26	up
6422500	7098867	1124960	---	---	---	1,03	up
6422547	7113483	1161011	---	---	---	1,71	up
6422588	7280743	1574522	---	---	---	1,27	up
6422591	7371677	1800754	---	---	---	1,14	down
6422608	7235069	1460987	---	---	---	1,02	up
6422844	7068259	1051593	---	---	---	1,21	up
6422870	7254405	1508638	---	---	---	3,79	down
6423032	7364346	1780002	---	---	---	1,04	up
6423088	7364346	1780024	---	---	---	1,05	down
6423122	7235069	1460970	---	---	---	1,40	up
6423144	7133612	1210234	---	---	---	1,12	up
6423188	7078666	1076510	---	---	---	2,29	down
6423283	7235426	1461847	---	---	---	1,01	up

6423347	7321029	1674824	---	---	---	1,57	up
6423385	7368565	1791285	---	---	---	1,20	up
6423393	7264274	1533173	---	---	---	1,22	up
6423418	7244288	1484108	---	---	---	2,52	up
6423419	7147809	1245472	---	---	---	1,07	up
6423628	7118356	1173133	---	---	---	1,22	up
6423639	7267953	1542264	---	---	---	1,14	up
6423708	7303616	1631309	---	---	---	1,02	down
6423817	7104977	1140169	---	---	---	1,55	up
6423872	7243130	1480855	---	---	---	1,06	up
6424044	7093936	1112464	---	---	---	1,09	up
6424071	7256191	1512870	---	---	---	1,18	up
6424080	7148978	1248461	---	---	---	1,01	down
6424124	7139708	1225066	---	---	---	1,23	up
6424172	7303616	1631334	---	---	---	1,02	up
6424252	7070616	1057771	---	---	---	1,37	up
6424259	7038969	982974	---	---	---	2,11	up
6424279	7199476	1374553	---	---	---	1,29	up
6424299	7065655	1045268	---	---	---	1,51	down
6424346	7078666	1076528	---	---	---	1,60	up
6424422	7363576	1778196	---	---	---	2,24	up
6424487	7253408	1505951	---	---	---	1,32	up
6424514	7059449	1030298	---	---	---	1,07	up
6424612	7345851	1734747	---	---	---	2,06	down
6424886	7350237	1745472	---	---	---	1,24	down
6424957	7279568	1572023	---	---	---	1,93	up
6424965	7256191	1512869	---	---	---	1,39	down
6425040	7370484	1797177	---	---	---	1,03	down
6425199	7108062	1147192	---	---	---	1,15	up
6425266	7331434	1699230	---	---	---	1,30	down
6425290	7195903	1365331	---	---	---	1,03	down
6425341	7341253	1723299	---	---	---	1,51	down
6425344	7069830	1055635	---	---	---	1,16	down
6425385	7359551	1768623	---	---	---	1,38	up
6425431	7241163	1476819	---	---	---	1,41	down
6425448	7078198	1075607	---	---	---	2,01	down
6425453	7065110	1044142	---	---	---	1,08	up
6425614	7284359	1583435	---	---	---	1,00	down
6425674	7277719	1567095	---	---	---	1,00	up
6425772	7267802	1541908	---	---	---	1,51	up
6425807	7186464	1341376	---	---	---	1,03	down
6425825	7179914	1324716	---	---	---	1,08	up
6425942	7050726	1011253	---	---	---	1,01	up
6425954	7322388	1677325	---	---	---	1,04	down
6425955	7236851	1465382	---	---	---	1,16	up
6425969	7031774	964785	---	---	---	1,02	up
6426023	7237438	1466786	---	---	---	1,20	up
6426025	7361420	1773035	---	---	---	1,25	down
6426100	7330737	1697221	---	---	---	1,32	up
6426119	7118196	1172698	---	---	---	1,13	down
6426175	7142416	1231794	---	---	---	1,88	up
6426201	7148978	1248508	---	---	---	1,35	up
6426346	7112225	1157623	---	---	---	1,08	up
6426428	7168858	1296822	---	---	---	1,08	down
6426483	7236395	1464322	---	---	---	1,03	down
6426543	7345882	1734812	---	---	---	1,30	up

6426579	7062173	1036991	---	---	---	1,21	down
6426818	7055781	1022269	---	---	---	2,39	down
6426888	7302786	1628861	---	---	---	1,02	down
6426904	7039223	983562	---	---	---	1,06	down
6426934	7244288	1484135	---	---	---	1,00	down
6426937	7214605	1409369	---	---	---	1,11	down
6426973	7132024	1206345	---	---	---	1,09	down
6427030	7087492	1096700	---	---	---	1,12	up
6427118	7112225	1157593	---	---	---	1,00	down
6427209	7159027	1272741	---	---	---	1,07	down
6427331	7038669	982193	---	---	---	1,01	down
6427441	7099573	1126708	---	---	---	1,29	down
6427449	7281950	1577782	---	---	---	2,16	up
6427507	7127691	1195630	---	---	---	1,28	up
6427512	7364346	1780022	---	---	---	1,24	down
6427540	7127691	1195641	---	---	---	1,02	up
6427641	7235323	1461558	---	---	---	1,39	down
6427723	7286807	1588834	---	---	---	1,16	down
6427846	7192186	1355615	---	---	---	1,01	down
6427889	7031774	964662	---	---	---	1,27	down
6427944	7172373	1305562	---	---	---	1,07	down
6427969	7263152	1530379	---	---	---	1,13	up
6427981	7208330	1395099	---	---	---	1,60	down
6428085	7064468	1042354	---	---	---	1,00	up
6428107	7198274	1371205	---	---	---	1,52	up
6428146	7258670	1519348	---	---	---	1,26	down
6428182	7196029	1365614	---	---	---	1,04	up
6428280	7337260	1712797	---	---	---	2,07	down
6428365	7293757	1605674	---	---	---	1,09	up
6428583	7123357	1185595	---	---	---	1,21	up
6428634	7325674	1685228	---	---	---	1,19	down
6428779	7267802	1541743	---	---	---	1,33	down
6428796	7075424	1069278	---	---	---	1,11	down
6428815	7235426	1461847	---	---	---	1,10	up
6428927	7303616	1631384	---	---	---	1,37	up
6429016	7236254	1464062	---	---	---	1,42	up
6429069	7299512	1620550	---	---	---	1,29	up
6429078	7368374	1790645	---	---	---	1,30	up
6429100	7225553	1435974	---	---	---	1,33	up
6429119	7344702	1732143	---	---	---	1,25	up
6429162	7219605	1422053	---	---	---	1,09	up
6429234	7341546	1723955	---	---	---	1,05	up
6429339	7361420	1773047	---	---	---	1,02	down
6429390	7303722	1631712	---	---	---	1,71	down
6429398	7217747	1417501	---	---	---	1,12	down
6429415	7295410	1609794	---	---	---	1,14	up
6429509	7337492	1713403	---	---	---	1,04	up
6429539	7111361	1155623	---	---	---	1,11	up
6429579	7180861	1327223	---	---	---	1,07	up
6429594	7171034	1302291	---	---	---	1,20	up
6429671	7067670	1050341	---	---	---	1,26	down
6429684	7080106	1079733	---	---	---	1,10	up
6429744	7097485	1120934	---	---	---	1,22	down
6429757	7315571	1661011	---	---	---	1,35	up
6429857	7112225	1157526	---	---	---	1,55	down
6429892	7253272	1505613	---	---	---	1,14	up

6429897	7246866	1489791	---	---	---	1,16	down
6429979	7379957	1820638	---	---	---	1,08	up
6430193	7311218	1650355	---	---	---	1,02	down
6430225	7188681	1346298	---	---	---	1,15	down
6430242	7297589	1615685	---	---	---	1,21	up
6430273	7356115	1760120	---	---	---	1,14	up
6430309	7249503	1496218	---	---	---	1,25	up
6430357	7337260	1712809	---	---	---	1,02	up
6430429	7307349	1640981	---	---	---	2,04	down
6430487	7167507	1293117	---	---	---	1,11	up
6430553	7350013	1745095	---	---	---	1,08	up
6430606	7210263	1399759	---	---	---	1,11	up
6430756	7039223	983553	---	---	---	1,63	up
6430854	7083030	1086244	---	---	---	1,05	up
6430888	7293234	1604358	---	---	---	1,17	down
6430896	7373678	1805858	---	---	---	1,11	up
6430916	7229909	1447246	---	---	---	1,20	down
6430957	7206133	1389960	---	---	---	1,12	down
6431011	7290793	1598636	---	---	---	1,22	up
6431078	7340838	1722069	---	---	---	1,07	up
6431167	7127691	1195637	---	---	---	1,54	down
6431239	7155116	1263439	---	---	---	1,19	up
6431365	7098411	1123699	---	---	---	1,01	up
6431374	7376566	1812854	---	---	---	1,08	down
6431509	7171525	1303444	---	---	---	1,16	down
6431583	7297274	1614630	---	---	---	1,00	down
6431589	7177520	1318669	---	---	---	1,39	down
6431653	7193056	1358263	---	---	---	1,26	down
6431660	7356333	1760508	---	---	---	1,44	up
6431662	7363674	1778441	---	---	---	1,30	up
6431704	7269641	1546250	---	---	---	1,10	down
6431766	7067670	1050309	---	---	---	2,19	up
6431783	7267380	1540398	---	---	---	1,11	up
6431866	7042382	991295	---	---	---	1,21	down
6432029	7068259	1051616	---	---	---	1,72	down
6432053	7277783	1567460	---	---	---	1,06	up
6432061	7176456	1315836	---	---	---	1,08	down
6432066	7181026	1327843	---	---	---	1,32	down
6432168	7198210	1371000	---	---	---	1,23	down
6432289	7174149	1310499	---	---	---	1,02	up
6432367	7034293	971968	---	---	---	1,33	down
6432463	7218728	1419919	---	---	---	1,30	up
6432661	7177180	1317763	---	---	---	1,11	down
6432846	7073854	1065616	---	---	---	1,29	up
6432995	7378997	1818636	---	---	---	1,03	up
6433031	7117158	1170035	---	---	---	1,37	down
6433094	7049399	1008420	---	---	---	1,25	down
6433189	7273223	1555898	---	---	---	1,34	up
6433265	7273223	1555892	---	---	---	1,31	up
6433318	7155116	1263412	---	---	---	1,54	up
6433425	7172988	1307338	---	---	---	1,06	down
6433432	7084993	1090677	---	---	---	1,11	down
6433608	7181105	1327967	---	---	---	1,48	down
6433621	7041609	989593	---	---	---	1,58	down
6433668	7096859	1119305	---	---	---	1,38	up
6433744	7312621	1653459	---	---	---	1,32	down

6433756	7379957	1820631	---	---	---	1,10	down
6433807	7336835	1711605	---	---	---	1,61	down
6433827	7213945	1407829	---	---	---	1,02	up
6433852	7183182	1333575	---	---	---	1,71	down
6433919	7067670	1050363	---	---	---	1,32	down
6433921	7260613	1524267	---	---	---	1,21	down
6433973	7276231	1563104	---	---	---	1,34	down
6434052	7217679	1417305	---	---	---	1,13	up
6434237	7186464	1341362	---	---	---	1,60	down
6434303	7069253	1054169	---	---	---	1,20	up
6434363	7341253	1723260	---	---	---	1,03	down
6434457	7235069	1460967	---	---	---	1,46	up
6434501	7096886	1119431	---	---	---	1,05	up
6434559	7233012	1455404	---	---	---	1,02	up
6434587	7264797	1534422	---	---	---	1,09	down
6434592	7224166	1432698	---	---	---	1,27	down
6434622	7244290	1484151	---	---	---	1,32	up
6434625	7384365	1830284	---	---	---	1,01	up
6434649	7263248	1530616	---	---	---	1,03	down
6434718	7367969	1789087	---	---	---	1,72	up
6434729	7060851	1033443	---	---	---	1,19	down
6434747	7273251	1555943	---	---	---	1,79	down
6434825	7087492	1096697	---	---	---	1,45	down
6434926	7118356	1173179	---	---	---	1,49	down
6434979	7284359	1583435	---	---	---	1,27	up
6435043	7188829	1346667	---	---	---	1,28	down
6435119	7067670	1050351	---	---	---	1,45	up
6435208	7311218	1650349	---	---	---	1,24	up
6435243	7084792	1090329	---	---	---	1,09	up
6435245	7378997	1818653	---	---	---	1,07	down
6435477	7194172	1361148	---	---	---	1,12	up
6435479	7122131	1182668	---	---	---	1,15	down
6435545	7041609	989580	---	---	---	1,64	down
6435706	7065266	1044580	---	---	---	1,53	up
6435707	7127797	1195853	---	---	---	1,00	up
6435863	7179143	1322789	---	---	---	1,36	down
6436009	7132125	1206612	---	---	---	1,03	up
6436095	7334347	1705751	---	---	---	1,53	up
6436140	7258520	1518893	---	---	---	1,09	down
6436392	7236851	1465392	---	---	---	1,13	up
6436606	7030454	961542	---	---	---	1,06	up
6436659	7240224	1474391	---	---	---	1,02	down
6436680	7198210	1370975	---	---	---	1,02	up
6436690	7363674	1778441	---	---	---	1,05	up
6436825	7273223	1555901	---	---	---	1,32	down
6436834	7290585	1598182	---	---	---	1,35	down
6436868	7316644	1664061	---	---	---	1,03	down
6436899	7179785	1324498	---	---	---	1,87	down
6437009	7364948	1781227	---	---	---	1,54	up
6437024	7102113	1132845	---	---	---	1,15	down
6437042	7243628	1482365	---	---	---	1,04	down
6437058	7165954	1288810	---	---	---	1,32	up
6437082	7132125	1206612	---	---	---	1,13	up
6437084	7098867	1124951	---	---	---	1,07	down
6437107	7196029	1365626	---	---	---	1,04	down
6437198	7143904	1235800	---	---	---	1,03	up

6437212	7339110	1717616	---	---	---	1,02	up
6437233	7103811	1137057	---	---	---	1,06	down
6437336	7327650	1689695	---	---	---	1,04	down
6437394	7233440	1456899	---	---	---	1,00	down
6437429	7146245	1241372	---	---	---	1,01	up
6437501	7371643	1800657	---	---	---	1,47	up
6437540	7371677	1800754	---	---	---	1,07	down
6437628	7099573	1126717	---	---	---	2,05	up
6437855	7087965	1098042	---	---	---	1,07	up
6437865	7174149	1310514	---	---	---	1,04	down
6437904	7202550	1381619	---	---	---	1,06	up
6437952	7360486	1770958	---	---	---	1,48	down
6437961	7340838	1722080	---	---	---	1,11	up
6437973	7320337	1673316	---	---	---	1,16	up
6438060	7329135	1693495	---	---	---	1,06	down
6438098	7257976	1517713	---	---	---	1,21	down
6438153	7186443	1341313	---	---	---	1,59	down
6438247	7340757	1721909	---	---	---	1,33	down
6438272	7086966	1095260	---	---	---	1,06	up
6438331	7068143	1051295	---	---	---	1,14	up
6438347	7179914	1324710	---	---	---	1,06	down
6438360	7351951	1749816	---	---	---	1,29	down
6438549	7351951	1749845	---	---	---	1,30	up
6438863	7036412	976849	---	---	---	1,48	down
6438907	7303616	1631332	---	---	---	1,19	up
6438934	7371253	1799564	---	---	---	1,11	down
6438938	7265259	1535439	---	---	---	1,46	up
6438996	7361042	1772280	---	---	---	1,17	down
6439032	7096924	1119602	---	---	---	1,76	down
6439054	7210263	1399760	---	---	---	1,14	up
6439055	7316644	1664043	---	---	---	1,39	down
6439072	7364346	1780015	---	---	---	1,31	down
6439137	7233440	1456857	---	---	---	1,92	up
6439200	7085848	1092432	---	---	---	2,13	up
6439236	7068259	1051638	---	---	---	1,30	up
6439274	7132834	1208326	---	---	---	1,08	up
6439403	7038530	981875	---	---	---	1,06	up
6439405	7346989	1737521	---	---	---	2,08	down
6439414	7240569	1475493	---	---	---	1,08	down
6439530	7117187	1170141	---	---	---	1,02	down
6439539	7360325	1770560	---	---	---	1,32	down
6439541	7254040	1507579	---	---	---	1,19	down
6439587	7243653	1482537	---	---	---	1,02	down
6439598	7280743	1574546	---	---	---	1,54	down
6439617	7260613	1524282	---	---	---	1,09	up
6439712	7311218	1650347	---	---	---	1,15	up
6439738	7094130	1112873	---	---	---	1,04	down
6439819	7243253	1481232	---	---	---	1,13	down
6439852	7274892	1559552	---	---	---	1,23	down
6439865	7240569	1475507	---	---	---	1,13	up
6439888	7201217	1378758	---	---	---	1,03	up
6439948	7033337	969491	---	---	---	1,17	down
6439958	7319937	1672274	---	---	---	1,22	up
6439967	7289909	1596506	---	---	---	1,64	down
6440015	7098189	1123167	---	---	---	1,25	up
6440030	7316644	1664028	---	---	---	1,14	down

6440128	7319151	1670111	---	---	---	1,04	down
6440284	7162959	1282085	---	---	---	1,08	up
6440291	7093936	1112479	---	---	---	1,02	up
6440298	7247954	1492358	---	---	---	1,40	down
6440331	7121866	1181854	---	---	---	1,55	down
6440470	7239752	1473155	---	---	---	1,28	up
6440632	7244288	1484093	---	---	---	1,03	down
6440686	7052813	1015884	---	---	---	1,27	down
6440713	7131119	1204441	---	---	---	1,12	down
6440866	7069142	1053879	---	---	---	1,05	up
6440948	7038316	981457	---	---	---	1,01	down
6441178	7065655	1045270	---	---	---	1,01	down
6441241	7143455	1234731	---	---	---	1,44	down
6441290	7131764	1205859	---	---	---	1,23	down
6441291	7064732	1042909	---	---	---	1,56	down
6441351	7031774	964752	---	---	---	1,11	down
6441424	7238199	1468930	---	---	---	1,35	up
6441549	7240569	1475322	---	---	---	1,12	down
6441551	7249503	1496228	---	---	---	1,16	down
6441744	7261668	1526982	---	---	---	1,65	up
6441772	7341002	1722547	---	---	---	1,30	up
6441777	7356027	1759982	---	---	---	1,03	up
6441834	7263401	1530979	---	---	---	1,07	up
6441945	7040260	986088	---	---	---	1,33	down
6441949	7120379	1178329	---	---	---	1,09	down
6441986	7170764	1301438	---	---	---	1,01	down
6442029	7334331	1705687	---	---	---	1,06	up
6442467	7226241	1437772	---	---	---	1,34	down
6442549	7079600	1078630	---	---	---	2,62	up
6442675	7243647	1482442	---	---	---	1,40	down
6442680	7236254	1464074	---	---	---	1,02	up
6442747	7148978	1248547	---	---	---	1,21	down
6442791	7319937	1672272	---	---	---	1,01	down
6442856	7267802	1541907	---	---	---	1,05	down
6442921	7293234	1604348	---	---	---	1,12	up
6442972	7285688	1586194	---	---	---	1,05	up
6443076	7240569	1475402	---	---	---	1,13	up
6443378	7159027	1272731	---	---	---	1,22	down
6443459	7285061	1585142	---	---	---	1,05	up
6443539	7365093	1781621	---	---	---	1,01	up
6443545	7350993	1747547	---	---	---	1,20	up
6443782	7115880	1166840	---	---	---	1,49	up
6443792	7313905	1656846	---	---	---	2,07	down
6443885	7048382	1006348	---	---	---	2,80	up
6443970	7301879	1626622	---	---	---	1,03	up
6444019	7130889	1203867	---	---	---	1,08	up
6444054	7146982	1243277	---	---	---	1,23	down
6444109	7248790	1494526	---	---	---	1,01	up
6444246	7370412	1796828	---	---	---	1,21	down
6444344	7341397	1723630	---	---	---	1,05	down
6444481	7113483	1161006	---	---	---	1,72	up
6444541	7376566	1812887	---	---	---	1,02	down
6444862	7290942	1599132	---	---	---	1,60	down
6444888	7249917	1497393	---	---	---	1,34	up
6445024	7170764	1301440	---	---	---	1,17	up
6445025	7193056	1358289	---	---	---	1,23	up

6445042	7337224	1712628	---	---	---	1,25	down
6445110	7031774	964736	---	---	---	1,17	up
6445119	7059375	1030060	---	---	---	1,25	up
6445168	7111066	1154956	---	---	---	1,04	up
6445206	7323522	1679832	---	---	---	1,70	down
6445233	7289382	1595200	---	---	---	1,08	down
6445238	7108551	1148696	---	---	---	1,18	down
6445372	7087805	1097498	---	---	---	1,15	down
6445378	7280743	1574512	---	---	---	1,39	down
6445453	7255755	1511912	---	---	---	1,35	up
6445495	7061367	1034848	---	---	---	1,13	down
6445541	7301879	1626619	---	---	---	1,12	down
6445546	7052813	1015899	---	---	---	1,54	up
6445687	7261668	1526982	---	---	---	2,04	up
6445802	7240206	1474359	---	---	---	1,15	down
6445928	7207069	1392035	---	---	---	1,06	up
6445971	7293402	1604806	---	---	---	1,09	up
6446096	7052331	1014567	---	---	---	1,18	down
6446133	7154655	1262319	---	---	---	1,23	up
6446321	7236395	1464354	---	---	---	1,14	down
6446502	7211343	1401970	---	---	---	1,09	up
6446560	7263152	1530367	---	---	---	1,05	up
6446569	7150348	1251434	---	---	---	1,50	down
6446572	7226241	1437809	---	---	---	1,05	down
6446612	7213908	1407698	---	---	---	1,00	up
6446698	7243653	1482543	---	---	---	1,67	down
6446722	7068259	1051646	---	---	---	1,30	up
6446726	7368986	1792860	---	---	---	1,46	up
6446792	7358859	1766990	---	---	---	1,01	down
6446837	7248790	1494517	---	---	---	1,12	up
6446842	7058713	1028667	---	---	---	2,14	down
6446915	7350237	1745482	---	---	---	1,00	down
6446989	7239752	1473191	---	---	---	1,18	down
6447052	7083030	1086256	---	---	---	1,10	down
6447114	7263652	1531625	---	---	---	1,04	up
6447252	7086522	1093955	---	---	---	1,71	down
6447285	7333462	1703648	---	---	---	1,34	up
6447352	7344702	1732143	---	---	---	1,07	up
6447407	7329341	1693876	---	---	---	1,07	down
6447479	7384509	1830735	---	---	---	1,03	down
6447481	7114108	1162456	---	---	---	1,03	up
6447525	7327169	1688462	---	---	---	1,01	down
6447526	7297274	1614611	---	---	---	1,12	up
6447587	7034293	971986	---	---	---	1,01	up
6447636	7178662	1321648	---	---	---	1,04	up
6447670	7238115	1468568	---	---	---	1,09	down
6447699	7329135	1693488	---	---	---	1,34	down
6447803	7217650	1417193	---	---	---	1,47	down
6447868	7233440	1456859	---	---	---	1,02	down
6447870	7075445	1069342	---	---	---	1,56	down
6447894	7189574	1348701	---	---	---	1,07	up
6447932	7192696	1357182	---	---	---	1,00	up
6448187	7038971	982983	---	---	---	2,26	down
6448281	7290288	1597342	---	---	---	1,12	down
6448304	7029770	960158	---	---	---	1,55	down
6448307	7125348	1190075	---	---	---	1,12	down

6448308	7337260	1712800	---	---	---	1,28	down
6448330	7080106	1079750	---	---	---	1,59	down
6448399	7092965	1110197	---	---	---	1,27	down
6448414	7341397	1723640	---	---	---	1,11	down
6448480	7133181	1209151	---	---	---	1,08	down
6448489	7062436	1037721	---	---	---	1,43	down
6448510	7031774	964725	---	---	---	1,17	up
6448576	7087282	1096196	---	---	---	1,03	down
6448604	7076236	1071200	---	---	---	1,16	up
6448840	7226241	1437772	---	---	---	1,09	down
6448912	7167507	1293114	---	---	---	1,47	up
6448913	7378997	1818658	---	---	---	1,08	down
6449258	7103782	1136948	---	---	---	1,33	up
6449338	7159177	1273338	---	---	---	1,01	down
6449444	7346066	1735287	---	---	---	1,02	up
6449485	7339110	1717614	---	---	---	1,08	down
6449532	7380497	1821841	---	---	---	1,30	up
6449576	7064468	1042372	---	---	---	1,03	down
6449584	7303616	1631369	---	---	---	1,06	down
6449644	7217650	1417195	---	---	---	1,13	up
6449654	7319937	1672277	---	---	---	1,02	down
6449671	7096859	1119322	---	---	---	1,07	up
6449678	7047865	1005352	---	---	---	1,06	down
6450033	7039265	983658	---	---	---	1,67	up
6450066	7076160	1070963	---	---	---	1,07	down
6450094	7232340	1453527	---	---	---	1,22	up
6450098	7344838	1732419	---	---	---	1,41	down
6450194	7239939	1473784	---	---	---	1,13	down
6450200	7196029	1365611	---	---	---	1,46	down
6450256	7108345	1148085	---	---	---	1,22	down
6450320	7240569	1475365	---	---	---	4,99	down
6450394	7029770	960158	---	---	---	2,51	down
6450491	7041609	989569	---	---	---	1,04	down
6450499	7363576	1778194	---	---	---	1,03	down
6450510	7233440	1456846	---	---	---	1,05	up
6450546	7083965	1088219	---	---	---	1,16	up
6450649	7224166	1432685	---	---	---	2,05	up
6450749	7302786	1628863	---	---	---	1,00	up
6450867	7070836	1058335	---	---	---	1,23	down
6450942	7186688	1341843	---	---	---	1,20	down
6450949	7133612	1210249	---	---	---	1,02	up
6450967	7059375	1030058	---	---	---	2,03	down
6451151	7082098	1084112	---	---	---	1,10	down
6451166	7069464	1054663	---	---	---	1,07	down
6451327	7301900	1626743	---	---	---	1,18	up
6451367	7333462	1703639	---	---	---	1,30	down
6451453	7082098	1084114	---	---	---	1,10	down
6451469	7068853	1053095	---	---	---	1,05	up
6451535	7120039	1177548	---	---	---	1,09	up
6451638	7217747	1417494	---	---	---	1,38	up
6451649	7156372	1266713	---	---	---	1,03	down
6451718	7112562	1158607	---	---	---	1,04	down
6451860	7240224	1474395	---	---	---	4,92	up
6451991	7255522	1511410	---	---	---	1,02	down
6451999	7236358	1464237	---	---	---	1,13	up
6452015	7358859	1766996	---	---	---	1,19	down

6452033	7337224	1712615	---	---	---	1,09	down
6452140	7331434	1699207	---	---	---	2,15	up
6452149	7364346	1780012	---	---	---	1,19	down
6452215	7280743	1574531	---	---	---	1,34	down
6452249	7350237	1745487	---	---	---	1,28	up
6452355	7340838	1722060	---	---	---	1,05	down
6452418	7329135	1693486	---	---	---	1,05	up
6452453	7196029	1365642	---	---	---	1,31	up
6452490	7112566	1158635	---	---	---	2,33	down
6452509	7049399	1008366	---	---	---	1,13	down
6452558	7231203	1450433	---	---	---	1,02	up
6452617	7332059	1700734	---	---	---	1,16	down
6452640	7213908	1407664	---	---	---	1,17	down
6452925	7340757	1721891	---	---	---	1,92	up
6453118	7127257	1194813	---	---	---	1,38	up
6453171	7108551	1148711	---	---	---	1,08	down
6453312	7132020	1206317	---	---	---	1,55	down
6453338	7264797	1534422	---	---	---	1,06	down
6453479	7247334	1490820	---	---	---	1,39	down
6453489	7232340	1453523	---	---	---	1,08	down
6453603	7337224	1712601	---	---	---	2,78	down
6453606	7341646	1724211	---	---	---	1,05	up
6453662	7059766	1030972	---	---	---	1,07	down
6453684	7243363	1481603	---	---	---	1,13	down
6453785	7274892	1559560	---	---	---	1,09	up
6453800	7294866	1608381	---	---	---	2,78	down
6453808	7159642	1274201	---	---	---	1,24	down
6453852	7186440	1341255	---	---	---	1,43	up
6453858	7033672	970370	---	---	---	1,62	down
6454048	7236492	1464544	---	---	---	1,07	up
6454101	7350993	1747525	---	---	---	1,40	up
6454112	7240206	1474360	---	---	---	1,07	down
6454177	7037764	980094	---	---	---	1,11	down
6454196	7232029	1452788	---	---	---	1,14	down
6454287	7206133	1389963	---	---	---	1,09	down
6454309	7075424	1069290	---	---	---	1,21	up
6454373	7193056	1358256	---	---	---	1,09	down
6454505	7070836	1058338	---	---	---	1,18	up
6454549	7240569	1475446	---	---	---	1,01	up
6454586	7147809	1245465	---	---	---	1,33	down
6454621	7225634	1436217	---	---	---	1,23	down
6454626	7096859	1119302	---	---	---	1,08	up
6454745	7279533	1571917	---	---	---	2,06	down
6454758	7040260	986042	---	---	---	1,66	down
6454795	7067828	1050788	---	---	---	1,04	up
6454851	7344702	1732145	---	---	---	1,34	up
6454872	7293757	1605683	---	---	---	1,24	down
6454902	7357815	1764152	---	---	---	1,17	up
6454942	7249503	1496219	---	---	---	1,34	down
6455097	7102510	1133875	---	---	---	1,19	down
6455436	7378997	1818670	---	---	---	1,21	down
6455464	7058713	1028664	---	---	---	1,36	up
6455510	7098451	1123809	---	---	---	1,45	up
6455626	7088625	1099863	---	---	---	1,12	down
6455791	7368684	1791857	---	---	---	1,19	up
6455878	7111244	1155385	---	---	---	1,08	up

6455883	7330659	1697058	---	---	---	1,13	down
6455891	7086966	1095284	---	---	---	1,34	down
6455907	7230886	1449577	---	---	---	1,07	down
6455928	7086664	1094263	---	---	---	1,30	down
6456250	7245066	1485570	---	---	---	1,05	down
6456279	7062436	1037715	---	---	---	2,11	up
6456328	7070140	1056480	---	---	---	1,08	down
6456367	7319144	1670094	---	---	---	1,26	down
6456397	7364346	1780034	---	---	---	1,61	up
6456467	7034486	972505	---	---	---	1,15	up
6456616	7107926	1146825	---	---	---	1,27	up
6456694	7064134	1041477	---	---	---	1,46	up
6456697	7333462	1703648	---	---	---	1,08	down
6456780	7356027	1759985	---	---	---	1,11	down
6456842	7292154	1601647	---	---	---	2,31	up
6456843	7234040	1458499	---	---	---	1,37	up
6457004	7041584	989456	---	---	---	1,52	up
6457080	7339286	1718108	---	---	---	1,26	up
6457173	7217650	1417202	---	---	---	1,18	up
6457201	7062436	1037658	---	---	---	1,01	down
6457255	7032444	966746	---	---	---	2,39	down
6457256	7171047	1302370	---	---	---	1,14	up
6457314	7330238	1695955	---	---	---	1,02	up
6457339	7284934	1584915	---	---	---	2,46	up
6457470	7279073	1570710	---	---	---	1,04	up
6457521	7336931	1711872	---	---	---	1,22	up
6457644	7267380	1540429	---	---	---	1,07	down
6457745	7272824	1554963	---	---	---	1,07	down
6457791	7034756	973222	---	---	---	1,09	up
6457813	7267802	1541838	---	---	---	1,24	up
6457820	7038153	981159	---	---	---	1,03	up
6457827	7244288	1484119	---	---	---	1,28	down
6457847	7099573	1126735	---	---	---	1,05	down
6457905	7211389	1402113	---	---	---	1,25	down
6457963	7295410	1609794	---	---	---	1,17	down
6458148	7340990	1722517	---	---	---	2,32	down
6458212	7156763	1267754	---	---	---	1,12	up
6458235	7361420	1773050	---	---	---	1,29	up
6458257	7303616	1631394	---	---	---	1,26	up
6458386	7237719	1467480	---	---	---	1,13	down
6458394	7263152	1530354	---	---	---	1,46	up
6458506	7174149	1310507	---	---	---	1,02	down
6458568	7238202	1468948	---	---	---	1,13	up
6458597	7203872	1384769	---	---	---	1,10	down
6458676	7337224	1712563	---	---	---	1,33	up
6458719	7213908	1407757	---	---	---	1,27	down
6458721	7377583	1815461	---	---	---	1,55	up
6458722	7068259	1051593	---	---	---	1,65	up
6458868	7363765	1778589	---	---	---	1,00	up
6459049	7120195	1177874	---	---	---	2,70	down
6459129	7333462	1703637	---	---	---	1,01	down
6459134	7316644	1664023	---	---	---	1,31	up
6459191	7321029	1674804	---	---	---	1,18	down
6459195	7101258	1130569	---	---	---	1,11	down
6459223	7101258	1130565	---	---	---	1,17	down
6459235	7243130	1480868	---	---	---	1,21	down

6459280	7286807	1588795	---	---	---	1,14	down
6459382	7179785	1324460	---	---	---	1,53	down
6459410	7237719	1467484	---	---	---	1,15	up
6459417	7339732	1719212	---	---	---	1,10	down
6459465	7132125	1206610	---	---	---	1,00	up
6459472	7113483	1161014	---	---	---	1,08	down
6459531	7350993	1747524	---	---	---	1,22	up
6459733	7112225	1157619	---	---	---	1,17	down
6459736	7033672	970352	---	---	---	1,17	up
6459816	7349643	1744147	---	---	---	1,10	up
6459919	7141061	1228677	---	---	---	1,21	down
6459978	7240665	1475834	---	---	---	1,09	up
6460031	7236987	1465729	---	---	---	1,18	up
6460040	7037806	980204	---	---	---	2,05	up
6460042	7380497	1821824	---	---	---	1,41	down
6460180	7258546	1518930	---	---	---	1,16	down
6460452	7364346	1779987	---	---	---	1,07	down
6460521	7297589	1615660	---	---	---	2,53	down
6460612	7037764	979997	---	---	---	1,27	up
6460714	7053874	1018307	---	---	---	1,15	up
6461078	7177180	1317765	---	---	---	1,14	down
6461127	7088164	1098475	---	---	---	1,40	up
6461190	7103337	1135977	---	---	---	2,04	down
6461234	7330238	1695929	---	---	---	1,04	up
6461256	7276231	1563116	---	---	---	1,01	up
6461321	7196029	1365624	---	---	---	1,09	up
6461392	7299512	1620544	---	---	---	1,23	up
6461424	7147809	1245447	---	---	---	1,22	up
6461606	7075096	1068601	---	---	---	1,07	up
6461905	7378997	1818663	---	---	---	1,09	down
6461944	7247229	1490556	---	---	---	1,18	up
6461976	7236395	1464344	---	---	---	1,02	up
6462008	7373417	1805106	---	---	---	1,11	down
6462027	7072765	1062738	---	---	---	1,04	down
6462096	7037764	979991	---	---	---	1,14	down
6462143	7373417	1805109	---	---	---	1,34	up
6462158	7296860	1613436	---	---	---	7,88	down
6462162	7378981	1818537	---	---	---	1,19	down
6462199	7217269	1415915	---	---	---	1,05	down
6462232	7040260	986055	---	---	---	1,15	down
6462248	7342356	1725873	---	---	---	1,00	down
6462279	7243647	1482427	---	---	---	1,43	up
6462362	7350489	1746112	---	---	---	1,27	up
6462522	7240206	1474349	---	---	---	2,02	up
6462618	7243363	1481629	---	---	---	1,30	up
6462632	7238115	1468591	---	---	---	1,57	down
6462726	7120827	1179350	---	---	---	1,22	down
6462841	7266838	1539000	---	---	---	1,23	up
6462907	7097680	1121731	---	---	---	1,09	down
6462938	7200996	1378163	---	---	---	1,39	up
6462968	7325674	1685231	---	---	---	1,95	up
6463067	7238202	1468937	---	---	---	1,19	up
6463299	7330396	1696353	---	---	---	1,39	up
6463487	7336835	1711590	---	---	---	2,65	down
6463495	7254040	1507596	---	---	---	1,20	up
6463531	7038153	981160	---	---	---	1,26	down

6463562	7182713	1332533	---	---	---	1,10	down
6463608	7240569	1475495	---	---	---	1,06	up
6463874	7096924	1119603	---	---	---	1,38	up
6463878	7180732	1326734	---	---	---	1,01	up
6463893	7253408	1505953	---	---	---	1,17	up
6464104	7359551	1768626	---	---	---	1,03	up
6464286	7025652	950297	---	---	---	1,11	up
6464377	7108551	1148711	---	---	---	1,15	down
6464532	7210263	1399754	---	---	---	1,02	up
6464563	7075424	1069283	---	---	---	1,42	up
6464566	7318143	1668094	---	---	---	1,89	down
6464616	7098867	1124947	---	---	---	1,55	down
6464673	7331434	1699217	---	---	---	1,37	down
6464728	7039223	983556	---	---	---	1,57	down
6464782	7041609	989576	---	---	---	1,34	up
6464814	7068259	1051660	---	---	---	1,11	down
6464832	7384509	1830751	---	---	---	1,54	up
6465148	7070616	1057776	---	---	---	1,18	up
6465216	7273744	1557043	---	---	---	1,16	up
6465289	7337845	1714344	---	---	---	1,36	up
6465356	7316644	1664013	---	---	---	2,07	up
6465357	7071969	1060899	---	---	---	1,03	down
6465397	7144135	1236326	---	---	---	1,59	up
6465427	7087805	1097468	---	---	---	1,15	down
6465439	7193056	1358268	---	---	---	1,05	down
6465463	7349946	1744956	---	---	---	1,00	up
6465553	7364346	1780015	---	---	---	1,77	down
6465578	7249503	1496204	---	---	---	1,27	down
6465652	7116614	1168781	---	---	---	1,01	down
6465748	7364346	1779986	---	---	---	1,20	up
6465774	7149817	1250303	---	---	---	1,20	down
6465779	7088489	1099515	---	---	---	1,01	up
6465849	7370475	1797133	---	---	---	1,34	up
6465872	7344702	1732138	---	---	---	1,00	up
6465933	7213908	1407666	---	---	---	1,21	up
6465976	7074132	1066324	---	---	---	1,11	down
6466002	7297589	1615638	---	---	---	1,16	up
6466031	7307721	1642009	---	---	---	1,07	up
6466109	7156978	1268175	---	---	---	1,09	down
6466111	7269314	1545626	---	---	---	1,09	up
6466142	7049399	1008417	---	---	---	1,00	up
6466222	7078326	1075894	---	---	---	1,10	up
6466783	7244290	1484161	---	---	---	1,21	down
6466813	7374143	1807010	---	---	---	1,18	up
6466892	7119930	1177230	---	---	---	1,93	down
6467010	7331297	1698805	---	---	---	1,01	up
6467098	7240569	1475510	---	---	---	1,13	up
6467162	7244288	1484104	---	---	---	2,01	up
6467240	7321029	1674830	---	---	---	1,43	up
6467501	7087805	1097472	---	---	---	1,02	down
6467577	7119930	1177216	---	---	---	1,03	down
6467586	7243603	1482272	---	---	---	1,19	down
6467613	7367971	1789134	---	---	---	1,17	up
6467705	7142081	1230973	---	---	---	1,19	up
6468011	7241136	1476727	---	---	---	1,10	down
6468092	7033672	970364	---	---	---	1,13	down

6468150	7372840	1803782	---	---	---	1,02	down
6468192	7344406	1731234	---	---	---	1,16	down
6468229	7330238	1695938	---	---	---	1,02	up
6468375	7380452	1821678	---	---	---	2,98	down
6468586	7210445	1400148	---	---	---	1,08	up
6468634	7036559	977245	---	---	---	1,57	up
6468699	7364948	1781222	---	---	---	1,00	down
6468747	7384365	1830273	---	---	---	1,21	down
6468822	7139709	1225072	---	---	---	1,01	down
6468896	7217679	1417306	---	---	---	1,67	up
6468938	7213908	1407754	---	---	---	1,04	down
6468956	7274780	1559238	---	---	---	1,11	down
6469000	7239752	1473149	---	---	---	2,32	up
6469099	7217747	1417491	---	---	---	1,54	down
6469115	7071264	1059285	---	---	---	1,52	up
6469187	7217747	1417480	---	---	---	1,05	up
6469264	7243130	1480881	---	---	---	1,23	down
6469292	7097525	1121072	---	---	---	1,25	down
6469355	7049399	1008336	---	---	---	1,12	down
6469486	7100257	1128263	---	---	---	1,16	down
6469540	7025652	950277	---	---	---	1,02	up
6469576	7025652	950313	---	---	---	1,32	up
6469579	7244602	1484776	---	---	---	1,18	down
6469785	7340990	1722510	---	---	---	1,96	down
6469797	7183182	1333579	---	---	---	1,07	up
6470028	7075082	1068518	---	---	---	1,02	down
6470050	7249917	1497391	---	---	---	1,43	up
6470074	7243647	1482478	---	---	---	1,20	down
6470083	7313411	1655439	---	---	---	1,07	up
6470097	7226241	1437796	---	---	---	1,31	up
6470105	7280743	1574510	---	---	---	1,11	down
6470111	7358623	1766262	---	---	---	1,11	down
6470239	7237719	1467510	---	---	---	1,27	up
6470307	7373633	1805699	---	---	---	1,56	down
6470581	7198210	1370996	---	---	---	1,06	down
6471035	7330078	1695470	---	---	---	1,17	down
6471069	7095262	1115654	---	---	---	1,17	up
6471192	7330238	1695920	---	---	---	1,09	down
6471208	7323545	1679979	---	---	---	1,12	down
6471283	7186688	1341848	---	---	---	1,23	down
6471297	7095262	1115635	---	---	---	1,07	up
6471402	7316644	1664021	---	---	---	1,29	down
6471483	7267953	1542237	---	---	---	1,54	down
6471545	7271128	1550312	---	---	---	1,02	up
6471560	7029078	958874	---	---	---	1,96	up
6471975	7356115	1760129	---	---	---	1,72	down
6472009	7132263	1206887	---	---	---	1,26	down
6472059	7238202	1468941	---	---	---	1,15	down
6472203	7059375	1030085	---	---	---	1,52	up
6472214	7279533	1571916	---	---	---	1,30	down
6472222	7162959	1282089	---	---	---	1,53	up
6472317	7341253	1723316	---	---	---	1,01	up
6472325	7069830	1055634	---	---	---	1,12	down
6472328	7231835	1452276	---	---	---	1,60	down
6472366	7243647	1482422	---	---	---	1,10	down
6472503	7070836	1058324	---	---	---	1,30	down

6472513	7332059	1700729	---	---	---	1,06	down
6472885	7080731	1080969	---	---	---	1,17	up
6472937	7298008	1616677	---	---	---	2,29	down
6473016	7162177	1280581	---	---	---	1,37	up
6473027	7098189	1123153	---	---	---	1,75	down
6473083	7349944	1744923	---	---	---	1,14	up
6473086	7060851	1033396	---	---	---	1,02	down
6473100	7286807	1588804	---	---	---	1,26	up
6473167	7092549	1109159	---	---	---	1,03	down
6473175	7351951	1749836	---	---	---	1,00	down
6473179	7371643	1800649	---	---	---	1,24	up
6473227	7226241	1437792	---	---	---	1,06	down
6473241	7243647	1482448	---	---	---	1,11	down
6473330	7142081	1230979	---	---	---	1,36	up
6473360	7385134	1831975	---	---	---	1,31	down
6473446	7049399	1008369	---	---	---	1,15	up
6473461	7113483	1161012	---	---	---	1,03	up
6473498	7055876	1022486	---	---	---	1,96	down
6473507	7344838	1732426	---	---	---	1,29	down
6473517	7112566	1158636	---	---	---	1,24	up
6473547	7041609	989562	---	---	---	1,06	down
6473799	7025652	950336	---	---	---	1,03	down
6473804	7197056	1367844	---	---	---	1,12	up
6473830	7155116	1263432	---	---	---	1,39	up
6473836	7384365	1830281	---	---	---	1,06	up
6473873	7082098	1084112	---	---	---	1,35	up
6473878	7056304	1023626	---	---	---	1,07	up
6473981	7349882	1744787	---	---	---	1,02	up
6474111	7369400	1793984	---	---	---	1,02	down
6474170	7335091	1707320	---	---	---	1,34	down
6474185	7078666	1076536	---	---	---	1,14	down
6474213	7374740	1808618	---	---	---	1,05	down
6474217	7088489	1099525	---	---	---	1,08	up
6474253	7258323	1518471	---	---	---	4,73	down
6474436	7210263	1399751	---	---	---	1,31	down
6474466	7321029	1674832	---	---	---	1,62	up
6474471	7142770	1232734	---	---	---	1,15	down
6474477	7299512	1620552	---	---	---	1,03	down
6474498	7354688	1756376	---	---	---	2,11	up
6474635	7380019	1820826	---	---	---	1,33	up
6474664	7099573	1126719	---	---	---	1,01	up
6474691	7378546	1817601	---	---	---	1,13	down
6474753	7154655	1262343	---	---	---	1,09	up
6474966	7070616	1057769	---	---	---	1,34	down
6475084	7052567	1015259	---	---	---	1,17	down
6475096	7069253	1054171	---	---	---	1,40	down
6475118	7188138	1345027	---	---	---	1,29	up
6475128	7274780	1559210	---	---	---	1,06	up
6475223	7339379	1718337	---	---	---	1,11	down
6475304	7229886	1447144	---	---	---	1,24	down
6475349	7374143	1807010	---	---	---	2,00	up
6475373	7244288	1484128	---	---	---	1,08	down
6475426	7243647	1482468	---	---	---	1,34	down
6475563	7050167	1009823	---	---	---	1,05	down
6475639	7236254	1464053	---	---	---	1,92	down
6475794	7195903	1365329	---	---	---	1,14	down

6475804	7161300	1278549	---	---	---	1,12	up
6475809	7156372	1266705	---	---	---	3,40	up
6476007	7146982	1243287	---	---	---	1,04	up
6476027	7139708	1225053	---	---	---	1,16	up
6476028	7327169	1688457	---	---	---	1,48	up
6476088	7359453	1768460	---	---	---	1,53	up
6476237	7050930	1011631	---	---	---	1,21	down
6476281	7229856	1447074	---	---	---	1,16	down
6476316	7361223	1772614	---	---	---	1,28	down
6476344	7073950	1065920	---	---	---	1,22	down
6476363	7033337	969492	---	---	---	1,18	up
6476392	7243647	1482466	---	---	---	1,12	down
6476431	7036412	976872	---	---	---	1,03	down
6476450	7267802	1541733	---	---	---	1,33	down
6476527	7341397	1723638	---	---	---	2,07	up
6476559	7072332	1061644	---	---	---	1,11	up
6476571	7034756	973226	---	---	---	1,60	up
6476626	7330737	1697218	---	---	---	1,21	up
6476688	7277783	1567457	---	---	---	1,30	down
6476726	7360486	1770966	---	---	---	1,13	up
6476755	7212735	1405002	---	---	---	1,03	up
6476783	7238252	1469221	---	---	---	1,36	up
6476785	7061550	1035289	---	---	---	1,49	down
6476793	7067828	1050787	---	---	---	1,08	down
6476917	7331829	1700179	---	---	---	1,09	up
6477187	7350237	1745488	---	---	---	1,02	up
6477193	7374143	1807010	---	---	---	1,14	up
6477244	7222221	1428061	---	---	---	1,24	up
6477251	7243647	1482419	---	---	---	2,81	down
6477348	7255663	1511714	---	---	---	1,20	up
6477390	7217679	1417320	---	---	---	1,05	up
6477512	7098126	1122969	---	---	---	1,05	up
6477521	7342959	1727337	---	---	---	1,37	up
6477569	7350237	1745480	---	---	---	1,04	down
6477638	7340304	1720841	---	---	---	1,24	up
6477784	7034293	971993	---	---	---	1,11	down
6477810	7076972	1073185	---	---	---	1,19	up
6477820	7231203	1450420	---	---	---	1,31	up
6477837	7330238	1695950	---	---	---	1,29	down
6477842	7199476	1374529	---	---	---	1,10	down
6477975	7056333	1023669	---	---	---	1,40	up
6477998	7068259	1051649	---	---	---	1,95	down
6478151	7210713	1400753	---	---	---	1,42	down
6478209	7243653	1482541	---	---	---	1,27	down
6478224	7217747	1417494	---	---	---	1,17	down
6478377	7264797	1534422	---	---	---	1,14	down
6478483	7197056	1367837	---	---	---	1,39	up
6478520	7037495	979334	---	---	---	1,02	down
6478578	7314270	1657751	---	---	---	1,03	up
6478896	7111573	1156025	---	---	---	1,12	down
6479020	7100257	1128242	---	---	---	1,66	up
6479045	7363568	1778139	---	---	---	2,41	up
6479074	7118356	1173203	---	---	---	1,27	up
6479077	7231835	1452293	---	---	---	1,23	down
6479132	7148978	1248501	---	---	---	1,03	up
6479156	7308679	1644252	---	---	---	1,50	up

6479399	7132125	1206640	---	---	---	1,03	up
6479521	7384509	1830733	---	---	---	1,11	down
6479561	7180732	1326727	---	---	---	1,23	up
6479665	7344836	1732409	---	---	---	1,03	up
6479700	7092549	1109187	---	---	---	1,13	up
6479772	7375727	1810881	---	---	---	1,37	down
6479847	7371682	1800776	---	---	---	1,22	down
6479857	7092549	1109165	---	---	---	1,07	up
6479917	7084193	1089048	---	---	---	1,40	up
6480126	7152038	1255397	---	---	---	1,35	down
6480180	7203872	1384778	---	---	---	1,01	up
6480199	7160402	1276156	---	---	---	1,06	down
6480269	7336931	1711872	---	---	---	1,21	up
6480389	7069253	1054168	---	---	---	1,64	up
6480416	7097525	1121072	---	---	---	1,19	up
6480458	7181105	1327967	---	---	---	1,06	down
6480498	7263152	1530366	---	---	---	1,12	up
6480607	7217650	1417171	---	---	---	1,10	up
6480806	7189669	1348963	---	---	---	1,41	up
6480888	7279586	1572073	---	---	---	1,08	up
6480936	7311218	1650364	---	---	---	1,13	down
6480989	7142081	1230987	---	---	---	1,09	up
6481052	7373906	1806370	---	---	---	2,04	down
6481062	7189689	1349026	---	---	---	1,14	up
6481079	7172373	1305575	---	---	---	1,59	down
6481150	7038530	981883	---	---	---	2,21	up
6481290	7337224	1712603	---	---	---	1,40	down
6481309	7216994	1415185	---	---	---	1,54	down
6481501	7058813	1028906	---	---	---	1,36	up
6481655	7289382	1595200	---	---	---	1,74	down
6481684	7248964	1494938	---	---	---	1,09	up
6481688	7340757	1721895	---	---	---	1,18	down
6481749	7037764	980093	---	---	---	1,07	down
6481797	7315206	1660035	---	---	---	1,24	down
6481810	7101258	1130570	---	---	---	1,38	down
6481893	7092965	1110177	---	---	---	1,04	up
6481940	7097525	1121058	---	---	---	1,09	up
6481944	7231203	1450422	---	---	---	1,22	down
6481977	7140113	1226055	---	---	---	1,38	down
6482059	7338807	1716810	---	---	---	1,09	down
6482094	7064224	1041773	---	---	---	1,32	down
6482174	7033337	969501	---	---	---	1,06	up
6482237	7059020	1029357	---	---	---	1,02	down
6482497	7039223	983562	---	---	---	1,42	down
6482560	7333462	1703642	---	---	---	1,48	up
6482571	7061550	1035281	---	---	---	1,39	down
6482705	7338807	1716811	---	---	---	1,52	down
6482782	7065655	1045262	---	---	---	1,19	down
6482857	7068853	1053096	---	---	---	1,22	up
6482893	7330396	1696352	---	---	---	1,05	down
6482902	7084993	1090666	---	---	---	1,05	up
6483041	7086966	1095239	---	---	---	1,29	up
6483188	7256191	1512883	---	---	---	1,14	down
6483201	7071616	1060073	---	---	---	1,28	up
6483378	7356115	1760123	---	---	---	1,12	up
6483468	7245921	1487678	---	---	---	1,90	up

6483525	7127691	1195635	---	---	---	1,19	down
6483642	7087965	1098025	---	---	---	1,17	up
6483664	7274780	1559216	---	---	---	1,25	up
6483738	7226241	1437779	---	---	---	1,45	up
6483756	7186443	1341312	---	---	---	1,20	up
6483758	7125348	1190074	---	---	---	1,18	up
6483955	7245874	1487592	---	---	---	1,13	down
6483991	7111573	1156022	---	---	---	1,35	down
6484010	7313411	1655424	---	---	---	1,51	up
6484086	7280743	1574552	---	---	---	1,16	up
6484108	7352046	1750031	---	---	---	1,05	down
6484326	7131360	1204969	---	---	---	1,36	up
6484504	7052813	1015884	---	---	---	1,00	down
6484774	7253088	1505121	---	---	---	1,30	down
6484950	7264085	1532719	---	---	---	1,38	down
6484996	7137646	1220437	---	---	---	1,16	down
6485013	7235069	1460969	---	---	---	1,10	up
6485061	7238115	1468570	---	---	---	1,05	up
6485083	7131360	1204982	---	---	---	1,00	down
6485096	7266532	1538302	---	---	---	1,74	up
6485190	7316644	1664057	---	---	---	1,15	up
6485237	7127540	1195276	---	---	---	1,11	down
6485314	7183182	1333562	---	---	---	1,27	down
6485389	7089499	1102385	---	---	---	1,24	down
6485510	7274780	1559201	---	---	---	1,04	up
6485526	7339387	1718374	---	---	---	1,65	up
6485578	7025652	950263	---	---	---	1,02	down
6485723	7216132	1413399	---	---	---	1,13	down
6485750	7108300	1147879	---	---	---	1,41	down
6485767	7113483	1160997	---	---	---	1,07	up
6485846	7107926	1146847	---	---	---	1,00	down
6485850	7373633	1805709	---	---	---	1,05	up
6485855	7312250	1652651	---	---	---	1,31	down
6485860	7236358	1464254	---	---	---	1,05	down
6485874	7372840	1803782	---	---	---	1,13	down
6485920	7168858	1296843	---	---	---	1,18	down
6486070	7096859	1119320	---	---	---	1,20	up
6486071	7098810	1124656	---	---	---	1,24	down
6486108	7334347	1705774	---	---	---	1,36	down
6486125	7059584	1030541	---	---	---	1,07	up
6486160	7338807	1716818	---	---	---	1,18	down
6486197	7316644	1664044	---	---	---	1,08	down
6486260	7188685	1346334	---	---	---	1,19	up
6486261	7243628	1482390	---	---	---	1,05	up
6486401	7070616	1057794	---	---	---	1,12	up
6486423	7231835	1452291	---	---	---	1,35	up
6486478	7321029	1674826	---	---	---	1,56	up
6486524	7099573	1126726	---	---	---	1,44	up
6486599	7049399	1008346	---	---	---	1,16	up
6486702	7336727	1711284	---	---	---	2,19	down
6486716	7341546	1723976	---	---	---	1,54	down
6486781	7244288	1484112	---	---	---	1,70	up
6486846	7112225	1157568	---	---	---	1,08	up
6486885	7096842	1119237	---	---	---	1,14	down
6486917	7264274	1533170	---	---	---	1,88	up
6486994	7040260	986078	---	---	---	1,01	up

6487036	7177520	1318631	---	---	---	1,43	down
6487150	7171525	1303466	---	---	---	1,57	down
6487172	7068259	1051650	---	---	---	1,37	down
6487202	7277783	1567442	---	---	---	2,61	up
6487322	7196029	1365619	---	---	---	2,20	down
6487386	7231203	1450474	---	---	---	1,80	down
6487500	7264274	1533169	---	---	---	2,31	up
6487711	7340258	1720734	---	---	---	1,16	up
6487732	7079600	1078634	---	---	---	1,31	up
6487784	7186106	1340499	---	---	---	1,03	down
6487843	7350993	1747554	---	---	---	1,38	down
6488004	7196029	1365605	---	---	---	1,16	down
6488060	7059766	1030972	---	---	---	1,46	up
6488092	7034756	973235	---	---	---	1,15	up
6488520	7272110	1553077	---	---	---	1,19	up
6488539	7034293	971968	---	---	---	1,71	up
6488644	7065655	1045244	---	---	---	1,08	up
6488658	7199341	1374129	---	---	---	1,27	down
6488693	7332970	1702554	---	---	---	1,08	up
6488720	7236254	1464069	---	---	---	1,41	down
6488791	7069142	1053872	---	---	---	1,19	up
6489013	7196029	1365607	---	---	---	1,21	up
6489027	7240569	1475518	---	---	---	1,48	up
6489098	7064134	1041427	---	---	---	1,44	down
6489113	7236358	1464222	---	---	---	1,15	down
6489275	7213908	1407690	---	---	---	1,18	up
6489477	7037764	980064	---	---	---	1,16	down
6489500	7031576	964111	---	---	---	1,10	down
6489543	7357890	1764389	---	---	---	1,07	down
6489584	7260553	1524113	---	---	---	1,43	up
6489644	7276650	1564148	---	---	---	1,09	down
6489748	7272110	1553077	---	---	---	1,52	down
6489865	7287222	1589720	---	---	---	1,30	up
6489913	7112225	1157620	---	---	---	1,10	down
6489962	7308679	1644241	---	---	---	1,50	up
6490080	7243130	1480885	---	---	---	1,02	down
6490297	7279793	1572538	---	---	---	1,07	up
6490399	7162177	1280575	---	---	---	1,46	down
6490409	7133749	1210808	---	---	---	1,37	up
6490410	7193644	1359708	---	---	---	1,35	down
6490580	7294151	1606609	---	---	---	1,10	up
6490582	7331297	1698810	---	---	---	1,12	down
6490586	7346066	1735309	---	---	---	1,01	down
6490616	7227313	1440692	---	---	---	2,06	up
6490678	7216132	1413398	---	---	---	1,09	down
6490708	7033337	969519	---	---	---	1,16	up
6490726	7090278	1104135	---	---	---	1,31	down
6490851	7065655	1045249	---	---	---	1,34	down
6490907	7067828	1050794	---	---	---	1,02	up
6490940	7078666	1076506	---	---	---	1,49	down
6490996	7293234	1604333	---	---	---	1,84	down
6491134	7377583	1815456	---	---	---	1,07	up
6491153	7279568	1572014	---	---	---	1,25	down
6491198	7042382	991287	---	---	---	1,06	up
6491209	7041584	989459	---	---	---	1,39	down
6491277	7231203	1450456	---	---	---	1,48	up

6491302	7264274	1533166	---	---	---	1,25	down
6491367	7098810	1124657	---	---	---	1,27	down
6491374	7168858	1296834	---	---	---	1,20	down
6491409	7358859	1767001	---	---	---	1,42	down
6491490	7370412	1796832	---	---	---	1,03	up
6491640	7329846	1694999	---	---	---	1,22	up
6491660	7276650	1564150	---	---	---	1,36	up
6491748	7281494	1576584	---	---	---	1,01	down
6491778	7236358	1464222	---	---	---	1,19	down
6491829	7354688	1756380	---	---	---	1,55	down
6491877	7238826	1470532	---	---	---	1,85	down
6491929	7087965	1098060	---	---	---	1,24	down
6491948	7031774	964761	---	---	---	1,29	down
6492022	7084993	1090679	---	---	---	1,97	up
6492056	7341253	1723300	---	---	---	1,43	up
6492070	7198002	1370413	---	---	---	1,97	up
6492090	7043379	993631	---	---	---	1,14	down
6492100	7098366	1123608	---	---	---	1,01	up
6492149	7037235	978573	---	---	---	1,32	down
6492201	7084193	1089061	---	---	---	1,37	up
6492319	7193056	1358264	---	---	---	1,13	up
6492342	7248790	1494516	---	---	---	1,24	up
6492348	7144389	1236780	---	---	---	1,20	up
6492351	7035344	974297	---	---	---	1,27	up
6492453	7239752	1473156	---	---	---	1,04	down
6492490	7041609	989565	---	---	---	1,10	up
6492626	7181961	1330342	---	---	---	1,17	up
6492839	7209927	1398922	---	---	---	1,09	up
6492896	7083030	1086245	---	---	---	1,17	down
6493008	7146245	1241349	---	---	---	1,11	up
6493151	7174149	1310493	---	---	---	1,38	up
6493182	7221187	1425723	---	---	---	1,08	down
6493256	7364346	1779984	---	---	---	1,17	up
6493353	7297154	1614239	---	---	---	1,44	up
6493378	7267802	1541742	---	---	---	1,21	down
6493426	7033451	969773	---	---	---	1,14	down
6493432	7235426	1461847	---	---	---	1,19	down
6493468	7312621	1653462	---	---	---	1,13	up
6493471	7099030	1125337	---	---	---	1,44	up
6493508	7385253	1832225	---	---	---	1,26	up
6493546	7112566	1158626	---	---	---	1,16	up
6493583	7334331	1705687	---	---	---	1,13	down
6493594	7050167	1009819	---	---	---	1,01	down
6493633	7045955	1000757	---	---	---	2,42	down
6493973	7028624	958001	---	---	---	1,20	up
6494118	7078666	1076515	---	---	---	1,01	down
6494154	7064732	1042918	---	---	---	1,08	up
6494268	7293757	1605692	---	---	---	1,06	up
6494291	7212718	1404949	---	---	---	1,33	up
6494468	7037764	980085	---	---	---	1,40	down
6494510	7378637	1817829	---	---	---	1,28	down
6494532	7264797	1534422	---	---	---	1,01	up
6494541	7240569	1475472	---	---	---	1,07	up
6494816	7333462	1703648	---	---	---	1,58	down
6494866	7048382	1006359	---	---	---	1,10	up
6495008	7078666	1076521	---	---	---	1,10	up

6495026	7174281	1310843	---	---	---	1,22	down
6495158	7052813	1015936	---	---	---	1,06	down
6495166	7228520	1443766	---	---	---	2,00	down
6495249	7374842	1808989	---	---	---	1,30	down
6495263	7341546	1723952	---	---	---	1,07	down
6495286	7273223	1555871	---	---	---	1,18	down
6495304	7120827	1179300	---	---	---	2,27	down
6495418	7323545	1679950	---	---	---	2,48	down
6495520	7280743	1574485	---	---	---	1,03	up
6495543	7291054	1599392	---	---	---	1,29	down
6495703	7150631	1252159	---	---	---	1,26	down
6495849	7061367	1034853	---	---	---	1,11	up
6495916	7072552	1062132	---	---	---	1,10	up
6495947	7167700	1293611	---	---	---	1,04	up
6495960	7087965	1098045	---	---	---	1,07	down
6496035	7316644	1664048	---	---	---	1,06	down
6496063	7069253	1054158	---	---	---	1,46	down
6496079	7226241	1437773	---	---	---	1,41	down
6496146	7331297	1698804	---	---	---	1,14	up
6496213	7062173	1037017	---	---	---	1,28	up
6496254	7331829	1700185	---	---	---	1,17	down
6496265	7243363	1481627	---	---	---	1,55	down
6496396	7323545	1679931	---	---	---	1,05	down
6496451	7186464	1341356	---	---	---	1,03	down
6496505	7121866	1181860	---	---	---	1,07	down
6496562	7257976	1517705	---	---	---	1,08	up
6496758	7295410	1609698	---	---	---	1,12	up
6496812	7243363	1481603	---	---	---	1,33	up
6496835	7319151	1670111	---	---	---	1,75	down
6496969	7351951	1749840	---	---	---	1,00	up
6497009	7111573	1156022	---	---	---	1,59	down
6497119	7341253	1723246	---	---	---	1,05	up
6497126	7191594	1354223	---	---	---	1,51	up
6497210	7080731	1080977	---	---	---	2,83	up
6497347	7240569	1475501	---	---	---	1,74	down
6497375	7369712	1794832	---	---	---	1,65	up
6497376	7130889	1203864	---	---	---	1,32	down
6497538	7193056	1358289	---	---	---	1,86	up
6497780	7111244	1155380	---	---	---	2,17	up
6497796	7096924	1119612	---	---	---	1,53	down
6497799	7144135	1236326	---	---	---	1,16	down
6497879	7340757	1721904	---	---	---	1,07	up
6497904	7248964	1494939	---	---	---	1,11	up
6497921	7029770	960156	---	---	---	1,67	up
6498006	7037764	980109	---	---	---	1,24	down
6498024	7109373	1150917	---	---	---	1,58	down
6498098	7146982	1243281	---	---	---	1,35	down
6498251	7230611	1448818	---	---	---	1,07	up
6498303	7243130	1480837	---	---	---	1,04	down
6498354	7189574	1348711	---	---	---	1,15	down
6498476	7235069	1460992	---	---	---	1,13	down
6498491	7232029	1452788	---	---	---	1,08	down
6498516	7364346	1780000	---	---	---	1,04	down
6498602	7174149	1310489	---	---	---	1,69	down
6498639	7280743	1574570	---	---	---	1,01	up
6498716	7142416	1231799	---	---	---	2,16	up

6498744	7156052	1265764	---	---	---	1,02	down
6498753	7247229	1490545	---	---	---	1,31	up
6498759	7260613	1524267	---	---	---	1,34	up
6498776	7260553	1524109	---	---	---	1,02	down
6498826	7274780	1559235	---	---	---	1,06	up
6498831	7148978	1248486	---	---	---	1,02	up
6498911	7069253	1054157	---	---	---	1,23	up
6498948	7302018	1626995	---	---	---	1,75	up
6499001	7319937	1672284	---	---	---	2,16	up
6499198	7080106	1079719	---	---	---	1,04	up
6499218	7286807	1588824	---	---	---	1,28	down
6499292	7064220	1041746	---	---	---	1,04	down
6499325	7068942	1053377	---	---	---	1,18	down
6499338	7298692	1618409	---	---	---	1,28	up
6499498	7343122	1727747	---	---	---	2,45	down
6499850	7331602	1699633	---	---	---	1,02	up
6499878	7357815	1764146	---	---	---	1,08	up
6499958	7329846	1694995	---	---	---	2,68	down
6500000	7235393	1461717	---	---	---	4,71	down
6500009	7049399	1008332	---	---	---	1,00	up
6500093	7127797	1195852	---	---	---	1,13	up
6500148	7247334	1490820	---	---	---	1,39	up
6500175	7297274	1614658	---	---	---	1,17	up
6500199	7276231	1563105	---	---	---	1,06	up
6500435	7199476	1374559	---	---	---	1,14	down
6500528	7064468	1042367	---	---	---	1,32	up
6500537	7192696	1357181	---	---	---	1,53	up
6500556	7277719	1567090	---	---	---	1,07	down
6500582	7207069	1392035	---	---	---	1,26	up
6500690	7078666	1076517	---	---	---	1,56	up
6500746	7236395	1464328	---	---	---	1,02	down
6500763	7367994	1789235	---	---	---	1,16	up
6500808	7328695	1692304	---	---	---	1,61	up
6500869	7059020	1029344	---	---	---	1,36	up
6500897	7149008	1248598	---	---	---	1,46	up
6500905	7032204	966146	---	---	---	1,55	up
6501010	7034486	972518	---	---	---	1,24	down
6501188	7093806	1112150	---	---	---	2,21	down
6501232	7098366	1123620	---	---	---	1,10	up
6501238	7031774	964784	---	---	---	1,21	down
6501267	7368613	1791621	---	---	---	1,09	up
6501329	7344702	1732140	---	---	---	1,01	up
6501349	7068259	1051658	---	---	---	1,16	down
6501522	7038316	981460	---	---	---	1,42	up
6501625	7051009	1011790	---	---	---	1,26	down
6501732	7292154	1601631	---	---	---	1,00	down
6501743	7171047	1302370	---	---	---	1,01	down
6501773	7277783	1567477	---	---	---	1,73	down
6501786	7035344	974298	---	---	---	1,12	down
6501815	7218259	1418787	---	---	---	1,17	down
6501951	7308679	1644250	---	---	---	1,09	up
6501971	7189184	1347597	---	---	---	1,57	down
6501984	7344702	1732141	---	---	---	1,09	down
6501997	7034532	972651	---	---	---	1,08	up
6502059	7370475	1797137	---	---	---	1,29	up
6502098	7050557	1010791	---	---	---	1,25	down

6502104	7339387	1718394	---	---	---	1,43	up
6502198	7364995	1781295	---	---	---	2,15	up
6502297	7148978	1248462	---	---	---	1,06	down
6502329	7033672	970363	---	---	---	1,52	down
6502474	7033616	970207	---	---	---	1,25	down
6502482	7281507	1576662	---	---	---	1,01	down
6502516	7132024	1206337	---	---	---	2,06	down
6502549	7321465	1675744	---	---	---	1,75	up
6502586	7354688	1756373	---	---	---	1,24	down
6502630	7352635	1751444	---	---	---	1,19	down
6502671	7030454	961549	---	---	---	2,09	down
6502689	7323545	1679925	---	---	---	1,34	down
6502737	7075424	1069296	---	---	---	1,08	down
6502741	7332970	1702533	---	---	---	1,15	up
6502770	7337224	1712607	---	---	---	1,35	up
6502817	7275927	1562337	---	---	---	1,32	up
6502868	7098126	1122968	---	---	---	1,15	up
6502883	7038316	981459	---	---	---	1,02	up
6502929	7174149	1310494	---	---	---	1,03	down
6502958	7031774	964735	---	---	---	1,49	up
6502986	7356115	1760124	---	---	---	1,09	up
6502991	7131360	1204969	---	---	---	1,12	down
6502992	7369706	1794797	---	---	---	1,75	up
6503153	7123421	1185828	---	---	---	1,77	down
6503193	7370128	1796171	---	---	---	1,27	down
6503321	7039728	984845	---	---	---	2,33	down
6503357	7243130	1480862	---	---	---	1,26	up
6503390	7364995	1781316	---	---	---	2,13	up
6503431	7241136	1476722	---	---	---	1,05	down
6503451	7340258	1720734	---	---	---	1,14	up
6503503	7211363	1402041	---	---	---	1,59	up
6503578	7290288	1597341	---	---	---	2,20	down
6503613	7073854	1065629	---	---	---	1,07	up
6503705	7070140	1056507	---	---	---	1,40	up
6503769	7247229	1490552	---	---	---	1,03	down
6503839	7038530	981884	---	---	---	1,62	down
6503870	7243130	1480894	---	---	---	1,12	up
6503915	7214605	1409365	---	---	---	1,26	down
6504047	7308679	1644238	---	---	---	1,64	up
6504056	7186688	1341840	---	---	---	1,36	down
6504132	7351951	1749853	---	---	---	1,02	down
6504285	7157341	1269209	---	---	---	1,16	down
6504315	7052813	1015929	---	---	---	1,59	up
6504343	7235069	1460994	---	---	---	1,22	up
6504361	7079600	1078632	---	---	---	1,23	down
6504384	7069464	1054656	---	---	---	1,37	down
6504537	7245066	1485571	---	---	---	1,53	up
6504598	7273744	1557006	---	---	---	1,12	down
6504607	7095021	1115129	---	---	---	1,64	down
6504743	7041061	988079	---	---	---	1,48	up
6504752	7286807	1588797	---	---	---	1,35	down
6504823	7174149	1310501	---	---	---	1,05	up
6504845	7064224	1041797	---	---	---	1,25	down
6504875	7085848	1092432	---	---	---	1,11	up
6504966	7127257	1194806	---	---	---	1,10	up
6504987	7277719	1567081	---	---	---	1,12	down

6505010	7198210	1370969	---	---	---	1,06	down
6505028	7167507	1293120	---	---	---	1,33	down
6505034	7341002	1722547	---	---	---	1,35	up
6505043	7332970	1702553	---	---	---	1,15	up
6505086	7098126	1122968	---	---	---	1,44	up
6505126	7309703	1646819	---	---	---	1,04	up
6505135	7339379	1718338	---	---	---	1,13	down
6505365	7089381	1102063	---	---	---	1,24	up
6505557	7097240	1120368	---	---	---	2,55	down
6505698	7117832	1171754	---	---	---	1,00	up
6505706	7076236	1071194	---	---	---	1,03	down
6505767	7243653	1482541	---	---	---	1,16	down
6505807	7294151	1606605	---	---	---	1,26	up
6505815	7059020	1029330	---	---	---	1,54	down
6505823	7102113	1132787	---	---	---	1,26	down
6505889	7363674	1778429	---	---	---	1,03	down
6505908	7196029	1365608	---	---	---	1,01	down
6505911	7365183	1781940	---	---	---	1,26	up
6505999	7029078	958879	---	---	---	1,15	up
6506103	7047865	1005352	---	---	---	2,04	up
6506427	7062927	1038621	---	---	---	1,23	up
6506446	7295410	1609772	---	---	---	1,15	down
6506564	7327650	1689694	---	---	---	1,20	up
6506659	7249737	1496747	---	---	---	1,35	up
6506672	7381352	1823742	---	---	---	1,18	down
6506821	7133612	1210206	---	---	---	1,21	down
6506835	7233440	1456837	---	---	---	1,40	down
6506872	7040260	986074	---	---	---	1,01	up
6506919	7098810	1124658	---	---	---	1,05	down
6507072	7258520	1518872	---	---	---	1,17	down
6507076	7146093	1240975	---	---	---	1,10	up
6507106	7108300	1147913	---	---	---	1,34	down
6507168	7330078	1695469	---	---	---	1,28	up
6507248	7092549	1109164	---	---	---	1,31	up
6507254	7276231	1563113	---	---	---	1,08	down
6507276	7291129	1599591	---	---	---	1,07	down
6507309	7119930	1177212	---	---	---	1,18	down
6507329	7120690	1179048	---	---	---	1,08	up
6507418	7031774	964706	---	---	---	1,07	down
6507447	7141421	1229477	---	---	---	1,03	down
6507477	7367959	1789075	---	---	---	1,20	down
6507591	7078666	1076505	---	---	---	1,15	up
6507643	7307721	1641986	---	---	---	1,18	up
6507774	7340990	1722501	---	---	---	1,15	down
6507873	7333333	1703387	---	---	---	1,08	down
6507913	7028624	957997	---	---	---	1,06	down
6507977	7097485	1120935	---	---	---	1,09	up
6508067	7167507	1293121	---	---	---	1,06	up
6508121	7031774	964771	---	---	---	1,07	up
6508214	7237711	1467423	---	---	---	1,23	up
6508328	7293757	1605676	---	---	---	1,27	down
6508472	7342959	1727332	---	---	---	1,00	down
6508498	7041609	989581	---	---	---	1,04	up
6508527	7200996	1378167	---	---	---	2,02	up
6508601	7274780	1559222	---	---	---	1,29	up
6508739	7144135	1236327	---	---	---	1,04	down

6508756	7176409	1315676	---	---	---	1,15	down
6508907	7112225	1157579	---	---	---	1,22	down
6508940	7064468	1042377	---	---	---	1,07	down
6508941	7330078	1695472	---	---	---	1,05	up
6509022	7099156	1125638	---	---	---	2,11	up
6509138	7040260	986093	---	---	---	1,86	down
6509241	7115362	1165598	---	---	---	1,34	up
6509275	7072225	1061400	---	---	---	1,01	up
6509290	7031618	964198	---	---	---	1,17	up
6509343	7350993	1747538	---	---	---	1,00	down
6509351	7074132	1066319	---	---	---	1,15	up
6509424	7113984	1162227	---	---	---	1,29	up
6509566	7302786	1628862	---	---	---	1,15	down
6509593	7132125	1206621	---	---	---	1,26	down
6509634	7180943	1327442	---	---	---	1,04	up
6509651	7112225	1157582	---	---	---	1,20	down
6509728	7111244	1155379	---	---	---	1,23	down
6509905	7338807	1716801	---	---	---	1,16	down
6509952	7062529	1037857	---	---	---	1,08	up
6509958	7192186	1355615	---	---	---	1,05	down
6510014	7102708	1134317	---	---	---	1,09	up
6510297	7033337	969501	---	---	---	1,44	up
6510298	7331434	1699227	---	---	---	1,04	down
6510317	7232340	1453533	---	---	---	1,40	down
6510352	7189689	1349040	---	---	---	1,22	up
6510354	7158408	1271348	---	---	---	2,65	up
6510634	7342356	1725894	---	---	---	1,77	up
6510700	7337260	1712796	---	---	---	1,04	down
6510722	7151063	1253066	---	---	---	1,22	up
6510884	7221019	1425327	---	---	---	8,01	up
6510974	7248790	1494505	---	---	---	1,24	down
6511006	7042382	991289	---	---	---	1,06	down
6511028	7243130	1480835	---	---	---	1,58	up
6511163	7378997	1818652	---	---	---	1,11	up
6511250	7050930	1011627	---	---	---	1,06	down
6511256	7029770	960155	---	---	---	1,43	up
6511347	7059766	1030973	---	---	---	1,67	up
6511386	7239752	1473192	---	---	---	1,16	down
6511451	7356115	1760131	---	---	---	1,06	down
6511532	7098810	1124655	---	---	---	1,21	up
6511588	7198210	1370962	---	---	---	1,27	up
6511649	7344406	1731201	---	---	---	1,07	up
6511675	7277719	1567080	---	---	---	1,15	down
6511772	7279568	1572002	---	---	---	1,15	up
6511781	7340757	1721884	---	---	---	1,34	down
6511789	7243130	1480943	---	---	---	1,48	up
6511851	7040260	986062	---	---	---	1,02	down
6511912	7067614	1050197	---	---	---	1,28	up
6511919	7193644	1359710	---	---	---	1,03	up
6511969	7093936	1112481	---	---	---	1,06	up
6511977	7374842	1808998	---	---	---	1,54	up
6512033	7127540	1195287	---	---	---	1,10	up
6512064	7037806	980195	---	---	---	2,13	down
6512080	7068942	1053390	---	---	---	1,08	down
6512176	7171525	1303428	---	---	---	1,01	up
6512234	7038969	982974	---	---	---	1,29	up

6512341	7284359	1583435	---	---	---	1,42	down
6512447	7050167	1009828	---	---	---	1,47	up
6512518	7312575	1653354	---	---	---	1,06	up
6512615	7236987	1465734	---	---	---	2,11	down
6512635	7328833	1692804	---	---	---	1,08	down
6512666	7121866	1181861	---	---	---	1,25	down
6512682	7376820	1813429	---	---	---	1,27	down
6512751	7155286	1263891	---	---	---	1,06	up
6512920	7359453	1768448	---	---	---	1,48	down
6512930	7075445	1069349	---	---	---	1,54	down
6513106	7363576	1778169	---	---	---	1,11	up
6513175	7312621	1653457	---	---	---	1,09	down
6513196	7056333	1023678	---	---	---	1,49	up
6513198	7279303	1571201	---	---	---	1,14	down
6513332	7054147	1018982	---	---	---	1,12	down
6513377	7165954	1288770	---	---	---	1,32	down
6513398	7295410	1609794	---	---	---	1,07	down
6513399	7351951	1749823	---	---	---	1,05	up
6513402	7177520	1318622	---	---	---	1,06	up
6513467	7038316	981460	---	---	---	1,62	down
6513535	7319144	1670087	---	---	---	1,02	down
6513666	7236987	1465738	---	---	---	1,36	up
6513733	7249503	1496202	---	---	---	1,08	up
6513791	7062436	1037660	---	---	---	1,56	down
6513858	7243628	1482385	---	---	---	1,33	up
6513864	7351951	1749822	---	---	---	1,04	down
6513969	7231835	1452290	---	---	---	1,08	up
6513988	7100257	1128219	---	---	---	1,05	down
6514029	7068853	1053130	---	---	---	1,05	down
6514064	7331434	1699218	---	---	---	1,27	up
6514079	7200545	1376898	---	---	---	1,22	down
6514163	7042382	991289	---	---	---	1,37	up
6514212	7239774	1473319	---	---	---	1,38	up
6514280	7213908	1407711	---	---	---	1,82	down
6514303	7111573	1156025	---	---	---	1,10	down
6514316	7108551	1148702	---	---	---	1,01	down
6514389	7167507	1293144	---	---	---	1,06	down
6514412	7194017	1360793	---	---	---	1,65	down
6514458	7258784	1519671	---	---	---	1,26	down
6514493	7075424	1069291	---	---	---	1,25	up
6514507	7157341	1269209	---	---	---	1,09	up
6514572	7059766	1030980	---	---	---	1,38	up
6514642	7086522	1093956	---	---	---	1,15	down
6514667	7247976	1492430	---	---	---	1,15	down
6514792	7083160	1086552	---	---	---	1,01	up
6514892	7376566	1812869	---	---	---	1,20	up
6514917	7217747	1417481	---	---	---	1,10	down
6515005	7358859	1766960	---	---	---	1,30	down
6515059	7203872	1384759	---	---	---	1,08	up
6515095	7112225	1157586	---	---	---	1,01	up
6515199	7061003	1033923	---	---	---	1,07	down
6515221	7195903	1365330	---	---	---	1,62	down
6515222	7264808	1534465	---	---	---	1,24	down
6515250	7148978	1248467	---	---	---	1,76	up
6515367	7138047	1221236	---	---	---	1,26	down
6515376	7263152	1530371	---	---	---	1,20	up

6515390	7359426	1768370	---	---	---	1,14	down
6515987	7258520	1518871	---	---	---	1,31	up
6516018	7119556	1176078	---	---	---	1,07	up
6516055	7371539	1800302	---	---	---	1,13	down
6516113	7031618	964199	---	---	---	1,17	up
6516151	7162144	1280519	---	---	---	1,59	up
6516210	7378546	1817602	---	---	---	1,13	down
6516235	7116103	1167606	---	---	---	1,04	down
6516257	7319486	1670927	---	---	---	1,29	up
6516455	7120010	1177382	---	---	---	1,17	down
6516472	7267802	1541832	---	---	---	1,11	up
6516499	7138047	1221237	---	---	---	1,04	up
6516570	7372840	1803754	---	---	---	1,26	up
6516589	7243647	1482436	---	---	---	1,26	up
6516771	7034353	972139	---	---	---	1,24	up
6516863	7365183	1781908	---	---	---	1,03	down
6516894	7364346	1779970	---	---	---	1,09	down
6517127	7327169	1688466	---	---	---	1,13	down
6517129	7292517	1602550	---	---	---	2,06	up
6517203	7086966	1095243	---	---	---	1,02	up
6517212	7338807	1716828	---	---	---	1,25	down
6517244	7228520	1443760	---	---	---	1,21	up
6517306	7258520	1518875	---	---	---	1,07	down
6517351	7198644	1372351	---	---	---	1,11	down
6517405	7239939	1473783	---	---	---	1,07	up
6517473	7321414	1675638	---	---	---	1,13	up
6517495	7075445	1069355	---	---	---	1,52	down
6517523	7360486	1771025	---	---	---	1,17	up
6517530	7337260	1712803	---	---	---	1,12	down
6517636	7049399	1008408	---	---	---	1,78	up
6517656	7384365	1830281	---	---	---	1,12	down
6517761	7033504	969863	---	---	---	1,18	up
6517859	7295410	1609780	---	---	---	2,09	down
6517985	7096859	1119332	---	---	---	1,26	up
6518053	7101258	1130564	---	---	---	2,46	down
6518094	7285239	1585482	---	---	---	1,39	down
6518169	7363768	1778603	---	---	---	1,75	down
6518331	7233012	1455424	---	---	---	1,08	up
6518351	7069253	1054161	---	---	---	1,33	down
6518375	7261668	1526981	---	---	---	2,42	up
6518451	7099294	1126105	---	---	---	1,36	up
6518456	7170764	1301434	---	---	---	1,22	up
6518524	7199476	1374538	---	---	---	1,01	down
6518538	7288095	1592077	---	---	---	1,76	down
6518576	7314115	1657313	---	---	---	1,55	up
6518683	7127257	1194812	---	---	---	1,17	down
6518779	7186688	1341842	---	---	---	1,24	down
6518886	7352100	1750189	---	---	---	1,79	up
6518976	7213908	1407692	---	---	---	2,16	up
6518978	7190524	1351184	---	---	---	1,68	up
6519098	7065823	1045714	---	---	---	1,25	down
6519103	7353712	1753945	---	---	---	1,05	up
6519487	7067556	1050037	---	---	---	1,51	down
6519492	7085848	1092422	---	---	---	1,00	down
6519494	7264274	1533174	---	---	---	1,95	down
6519518	7166439	1290093	---	---	---	1,05	up

6519563	7139708	1225057	---	---	---	1,32	up
6519569	7374842	1808983	---	---	---	2,07	down
6519669	7258323	1518474	---	---	---	6,43	down
6519747	7362184	1774822	---	---	---	1,16	down
6519780	7065827	1045721	---	---	---	1,01	up
6519796	7276650	1564133	---	---	---	1,01	up
6519882	7096859	1119310	---	---	---	1,21	up
6519965	7033337	969482	---	---	---	1,19	down
6520058	7031774	964650	---	---	---	1,88	down
6520139	7181193	1328294	---	---	---	1,63	up
6520216	7131360	1204988	---	---	---	1,08	down
6520220	7125160	1189586	---	---	---	1,20	up
6520280	7156044	1265714	---	---	---	1,02	down
6520312	7169573	1298391	---	---	---	1,04	down
6520329	7139026	1223503	---	---	---	1,15	down
6520451	7201217	1378776	---	---	---	1,16	down
6520471	7132024	1206341	---	---	---	1,61	down
6520497	7249503	1496213	---	---	---	1,51	down
6520606	7297589	1615687	---	---	---	1,87	down
6520615	7271213	1550651	---	---	---	1,08	up
6520664	7338807	1716817	---	---	---	1,09	up
6520681	7337260	1712795	---	---	---	1,02	down
6520704	7323545	1679949	---	---	---	1,28	up
6520758	7103811	1137062	---	---	---	1,01	up
6520941	7142081	1230961	---	---	---	1,09	up
6520974	7156372	1266707	---	---	---	1,10	down
6521036	7096924	1119604	---	---	---	1,00	up
6521085	7264797	1534423	---	---	---	1,00	up
6521091	7365183	1781913	---	---	---	1,05	down
6521126	7384073	1829473	---	---	---	1,37	down
6521135	7059766	1030982	---	---	---	1,51	down
6521198	7336931	1711872	---	---	---	2,27	down
6521308	7377583	1815453	---	---	---	1,44	up
6521369	7059375	1030072	---	---	---	1,24	up
6521434	7271008	1549945	---	---	---	1,09	up
6521558	7193513	1359449	---	---	---	2,06	down
6521705	7280743	1574498	---	---	---	1,08	up
6521749	7076160	1070908	---	---	---	1,23	down
6521834	7033672	970367	---	---	---	1,71	up
6521876	7330727	1697143	---	---	---	1,11	up
6521950	7276650	1564110	---	---	---	1,13	up
6521952	7060851	1033402	---	---	---	1,02	up
6522143	7236395	1464325	---	---	---	1,32	up
6522152	7180620	1326386	---	---	---	1,46	down
6522193	7091954	1107703	---	---	---	1,31	up
6522255	7095021	1115131	---	---	---	1,11	up
6522407	7111066	1154969	---	---	---	1,49	up
6522470	7176456	1315834	---	---	---	1,40	up
6522500	7374842	1808978	---	---	---	1,17	up
6522585	7136062	1216294	---	---	---	1,18	up
6522602	7092549	1109121	---	---	---	3,31	up
6522614	7097454	1120875	---	---	---	1,08	down
6522738	7229886	1447153	---	---	---	1,38	up
6522856	7236395	1464319	---	---	---	1,43	down
6522857	7298692	1618407	---	---	---	1,05	down
6522976	7311218	1650356	---	---	---	1,07	up

6523002	7314270	1657722	---	---	---	1,15	up
6523051	7376566	1812868	---	---	---	1,09	down
6523200	7174114	1310421	---	---	---	1,47	up
6523215	7034293	971994	---	---	---	3,56	up
6523261	7087282	1096171	---	---	---	1,27	down
6523272	7079905	1079341	---	---	---	1,11	up
6523284	7111427	1155764	---	---	---	1,26	up
6523285	7049399	1008334	---	---	---	1,06	up
6523394	7112225	1157538	---	---	---	1,04	down
6523506	7368004	1789333	---	---	---	1,04	down
6523509	7068259	1051613	---	---	---	1,20	down
6523642	7031774	964735	---	---	---	1,26	down
6523730	7069253	1054152	---	---	---	1,25	up
6523739	7193056	1358275	---	---	---	1,35	up
6523780	7136062	1216295	---	---	---	1,18	down
6523806	7281507	1576682	---	---	---	1,49	down
6523871	7188829	1346655	---	---	---	1,23	down
6523935	7340990	1722507	---	---	---	1,03	up
6523998	7264274	1533172	---	---	---	1,35	up
6524153	7049689	1008873	---	---	---	1,71	down
6524183	7113483	1161009	---	---	---	1,06	up
6524486	7082098	1084112	---	---	---	1,13	up
6524538	7038316	981460	---	---	---	1,50	up
6524549	7236358	1464221	---	---	---	1,05	down
6524561	7254040	1507613	---	---	---	1,12	down
6524575	7210600	1400528	---	---	---	1,02	down
6524746	7057277	1025525	---	---	---	1,46	down
6524791	7068259	1051643	---	---	---	1,24	up
6524932	7367990	1789220	---	---	---	1,30	down
6524952	7072608	1062297	---	---	---	2,00	up
6524965	7337224	1712621	---	---	---	1,28	down
6525098	7094139	1112921	---	---	---	1,03	up
6525313	7201217	1378776	---	---	---	1,13	down
6525415	7146093	1240914	---	---	---	1,52	up
6525445	7267953	1542265	---	---	---	1,63	up
6525511	7072765	1062750	---	---	---	1,17	down
6525609	7068259	1051593	---	---	---	1,70	up
6525643	7166497	1290382	---	---	---	1,07	down
6525644	7049399	1008389	---	---	---	2,04	down
6525851	7249503	1496175	---	---	---	1,10	down
6525879	7031774	964769	---	---	---	1,31	down
6525885	7065655	1045252	---	---	---	1,11	down
6525890	7339379	1718315	---	---	---	1,13	up
6525972	7041609	989571	---	---	---	1,01	down
6525981	7344406	1731221	---	---	---	1,24	up
6526071	7170764	1301470	---	---	---	1,06	down
6526096	7340304	1720863	---	---	---	2,06	down
6526099	7236726	1465056	---	---	---	1,04	up
6526167	7340990	1722505	---	---	---	1,08	up
6526173	7077170	1073573	---	---	---	1,43	down
6526182	7133181	1209153	---	---	---	1,15	up
6526304	7043535	994132	---	---	---	1,46	down
6526317	7339379	1718361	---	---	---	1,35	down
6526377	7036412	976855	---	---	---	1,20	up
6526430	7340057	1720326	---	---	---	1,24	down
6526525	7308679	1644238	---	---	---	1,97	down

6526725	7384904	1831602	---	---	---	1,16	down
6526802	7217650	1417188	---	---	---	1,22	up
6526892	7363922	1778870	---	---	---	1,11	down
6527026	7073854	1065635	---	---	---	1,10	down
6527028	7228848	1444755	---	---	---	1,06	up
6527065	7084716	1090118	---	---	---	1,11	down
6527123	7238202	1468950	---	---	---	1,26	down
6527124	7193056	1358254	---	---	---	1,06	down
6527277	7353712	1753944	---	---	---	1,23	down
6527379	7087965	1098033	---	---	---	1,11	up
6527410	7243647	1482462	---	---	---	1,07	up
6527449	7373633	1805703	---	---	---	1,03	up
6527454	7154655	1262319	---	---	---	1,73	up
6527507	7060851	1033436	---	---	---	1,13	down
6527550	7025652	950238	---	---	---	1,22	down
6527626	7112225	1157555	---	---	---	1,85	down
6527702	7289909	1596509	---	---	---	1,19	up
6527740	7031774	964782	---	---	---	1,10	down
6527755	7247848	1492049	---	---	---	1,64	down
6527763	7225553	1435971	---	---	---	1,08	up
6527772	7096898	1119521	---	---	---	1,68	down
6527976	7068259	1051663	---	---	---	1,77	up
6528029	7184981	1337839	---	---	---	1,42	down
6528169	7210600	1400521	---	---	---	1,03	up
6528186	7040260	986073	---	---	---	1,24	down
6528209	7344406	1731191	---	---	---	1,49	down
6528229	7374740	1808636	---	---	---	1,42	down
6528231	7322260	1677076	---	---	---	1,01	up
6528333	7094139	1112894	---	---	---	1,10	down
6528392	7243130	1480843	---	---	---	1,05	up
6528456	7316644	1663984	---	---	---	1,29	up
6528507	7180687	1326630	---	---	---	2,00	up
6528614	7337845	1714341	---	---	---	1,13	up
6528899	7236358	1464221	---	---	---	1,49	down
6529058	7095021	1115131	---	---	---	1,52	up
6529095	7167700	1293602	---	---	---	1,09	up
6529201	7337224	1712608	---	---	---	1,61	down
6529263	7321414	1675639	---	---	---	1,27	up
6529277	7352044	1750011	---	---	---	1,02	up
6529343	7115362	1165594	---	---	---	1,20	down
6529426	7330727	1697142	---	---	---	1,06	up
6529615	7271008	1549945	---	---	---	1,28	up
6529628	7267380	1540445	---	---	---	1,04	down
6529744	7123421	1185843	---	---	---	1,45	up
6529746	7233440	1456930	---	---	---	1,03	down
6529772	7038610	982091	---	---	---	1,12	down
6529834	7240224	1474396	---	---	---	1,02	up
6529865	7031183	963236	---	---	---	1,36	down
6529947	7096873	1119374	---	---	---	1,52	down
6530206	7132125	1206598	---	---	---	1,34	down
6530466	7292517	1602560	---	---	---	1,03	down
6530493	7260553	1524111	---	---	---	1,04	up
6530635	7249503	1496211	---	---	---	2,18	down
6530682	7069830	1055649	---	---	---	1,04	down
6530711	7253408	1505943	---	---	---	1,39	down
6530803	7231203	1450443	---	---	---	2,17	down

6530957	7139026	1223502	---	---	---	1,02	up
6530989	7336727	1711289	---	---	---	1,24	up
6530990	7210387	1400036	---	---	---	1,25	down
6531132	7170764	1301474	---	---	---	1,01	up
6531229	7060851	1033372	---	---	---	1,10	down
6531414	7297154	1614258	---	---	---	1,05	down
6531661	7152038	1255398	---	---	---	1,05	down
6531827	7043379	993637	---	---	---	1,72	up
6531873	7266706	1538743	---	---	---	1,10	up
6532004	7339379	1718342	---	---	---	1,10	down
6532117	7058713	1028660	---	---	---	1,00	down
6532271	7147809	1245457	---	---	---	1,00	down
6532346	7052385	1014777	---	---	---	1,04	up
6532350	7367971	1789134	---	---	---	1,27	up
6532361	7041609	989593	---	---	---	1,07	up
6532364	7369043	1793106	---	---	---	2,03	down
6532396	7380497	1821854	---	---	---	1,01	down
6532398	7364346	1780016	---	---	---	1,23	down
6532465	7237719	1467535	---	---	---	1,06	up
6532466	7231775	1452122	---	---	---	1,31	up
6532604	7068259	1051603	---	---	---	1,17	up
6532651	7067828	1050785	---	---	---	1,01	down
6532704	7260613	1524282	---	---	---	1,12	down
6532960	7159642	1274217	---	---	---	1,01	up
6533014	7027795	956272	---	---	---	1,03	up
6533245	7343122	1727740	---	---	---	1,20	down
6533259	7174149	1310492	---	---	---	1,00	up
6533313	7330238	1695964	---	---	---	1,37	down
6533421	7286807	1588788	---	---	---	1,86	down
6533556	7361420	1773051	---	---	---	1,07	up
6533560	7167876	1294050	---	---	---	1,12	up
6533570	7372840	1803759	---	---	---	1,59	up
6533672	7145669	1240015	---	---	---	1,25	up
6533676	7239939	1473787	---	---	---	1,28	down
6533704	7069464	1054667	---	---	---	1,11	up
6533723	7054636	1019872	---	---	---	1,06	up
6533857	7145669	1240006	---	---	---	1,19	down
6533862	7319937	1672271	---	---	---	1,61	down
6533910	7234195	1458979	---	---	---	1,07	down
6534047	7123357	1185606	---	---	---	1,07	up
6534051	7384365	1830271	---	---	---	1,33	down
6534240	7088489	1099514	---	---	---	1,07	down
6534241	7373038	1804278	---	---	---	1,42	up
6534298	7336250	1710171	---	---	---	1,12	down
6534310	7112225	1157605	---	---	---	1,06	down
6534358	7059020	1029353	---	---	---	1,30	up
6534385	7373678	1805868	---	---	---	1,20	up
6534405	7180861	1327224	---	---	---	1,48	down
6534532	7274892	1559544	---	---	---	1,25	down
6534534	7347396	1738527	---	---	---	1,18	up
6534731	7211363	1402056	---	---	---	1,09	down
6534822	7183182	1333553	---	---	---	2,06	down
6534919	7231835	1452294	---	---	---	2,14	up
6535054	7267802	1541743	---	---	---	1,25	down
6535254	7072332	1061647	---	---	---	1,27	up
6535288	7068086	1051201	---	---	---	1,15	up

6535329	7199476	1374547	---	---	---	1,18	down
6535358	7263152	1530363	---	---	---	2,26	down
6535626	7352252	1750567	---	---	---	1,44	down
6535753	7217269	1415907	---	---	---	1,15	down
6535764	7173863	1309701	---	---	---	1,17	up
6536074	7136062	1216292	---	---	---	1,17	up
6536133	7329846	1694987	---	---	---	1,14	up
6536167	7189689	1349031	---	---	---	1,37	up
6536190	7254088	1507733	---	---	---	1,11	down
6536235	7372840	1803770	---	---	---	1,17	up
6536362	7131889	1206087	---	---	---	1,84	up
6536412	7049689	1008871	---	---	---	1,22	up
6536427	7033672	970358	---	---	---	1,02	down
6536478	7034532	972654	---	---	---	1,05	up
6536489	7162144	1280504	---	---	---	1,26	up
6536495	7247228	1490513	---	---	---	1,54	down
6536533	7092549	1109187	---	---	---	1,51	down
6536575	7027797	956286	---	---	---	2,25	up
6536722	7340990	1722514	---	---	---	1,07	down
6536729	7190582	1351393	---	---	---	1,18	down
6536785	7225553	1435973	---	---	---	1,08	down
6536875	7323545	1679982	---	---	---	1,69	up
6537024	7198210	1370950	---	---	---	1,65	up
6537251	7380497	1821821	---	---	---	1,26	up
6537262	7025652	950341	---	---	---	1,22	down
6537371	7101400	1130908	---	---	---	1,57	down
6537598	7276762	1564484	---	---	---	1,05	up
6537652	7369043	1793101	---	---	---	1,12	up
6537700	7339379	1718361	---	---	---	1,60	down
6537810	7249503	1496196	---	---	---	1,12	up
6537873	7268375	1543437	---	---	---	2,33	down
6538060	7253088	1505111	---	---	---	1,61	up
6538205	7033616	970211	---	---	---	1,74	down
6538211	7234040	1458505	---	---	---	1,51	up
6538216	7341646	1724194	---	---	---	1,52	down
6538284	7300446	1622876	---	---	---	1,36	up
6538297	7170764	1301427	---	---	---	1,13	up
6538373	7214605	1409365	---	---	---	1,21	down
6538459	7189574	1348710	---	---	---	1,33	down
6538479	7100307	1128385	---	---	---	1,38	down
6538642	7200129	1375994	---	---	---	2,83	up
6538668	7107066	1144778	---	---	---	1,17	up
6538895	7217679	1417301	---	---	---	1,05	down
6538923	7303616	1631361	---	---	---	1,31	down
6538928	7336250	1710171	---	---	---	1,08	down
6538978	7049399	1008423	---	---	---	1,03	up
6539036	7098077	1122785	---	---	---	1,25	down
6539054	7323545	1679983	---	---	---	1,05	up
6539060	7148978	1248497	---	---	---	1,10	down
6539097	7070869	1058491	---	---	---	1,01	up
6539123	7276231	1563109	---	---	---	1,17	up
6539186	7376820	1813443	---	---	---	1,43	down
6539243	7100257	1128278	---	---	---	5,19	down
6539373	7284359	1583439	---	---	---	1,43	up
6539528	7374143	1807009	---	---	---	1,43	up
6539683	7037806	980202	---	---	---	1,40	down

6539729	7098126	1122977	---	---	---	1,43	down
6539800	7145669	1240001	---	---	---	1,29	down
6539912	7108345	1148071	---	---	---	1,10	down
6540095	7125160	1189564	---	---	---	1,14	down
6540110	7341002	1722556	---	---	---	1,11	up
6540147	7084193	1089088	---	---	---	1,45	up
6540156	7065655	1045269	---	---	---	1,08	down
6540162	7247954	1492402	---	---	---	1,28	down
6540189	7307349	1640980	---	---	---	1,40	up
6540219	7167883	1294108	---	---	---	1,80	down
6540301	7378996	1818614	---	---	---	2,46	down
6540337	7146093	1240913	---	---	---	1,20	up
6540350	7326612	1687198	---	---	---	1,82	down
6540396	7067670	1050314	---	---	---	2,06	up
6540442	7123357	1185602	---	---	---	1,01	up
6540553	7341253	1723268	---	---	---	1,01	up
6540734	7364346	1779991	---	---	---	2,17	up
6540810	7355220	1758094	---	---	---	1,04	down
6540833	7225553	1435987	---	---	---	1,06	up
6541027	7351951	1749849	---	---	---	1,14	down
6541074	7098867	1124952	---	---	---	1,37	up
6541149	7169599	1298453	---	---	---	1,68	up
6541177	7173863	1309701	---	---	---	1,02	down
6541249	7243130	1480884	---	---	---	1,11	up
6541359	7060851	1033435	---	---	---	1,63	up
6541506	7025652	950307	---	---	---	1,01	down
6541519	7188685	1346317	---	---	---	1,23	down
6541597	7031774	964736	---	---	---	1,49	down
6541653	7031774	964759	---	---	---	1,15	down
6541703	7127540	1195282	---	---	---	1,00	up
6541712	7139708	1225054	---	---	---	1,04	down
6541816	7052385	1014774	---	---	---	1,03	down
6541828	7156372	1266712	---	---	---	1,26	down
6541833	7188138	1345048	---	---	---	1,48	down
6541889	7297589	1615663	---	---	---	1,42	up
6541994	7133612	1210270	---	---	---	1,18	up
6542005	7162144	1280499	---	---	---	1,03	down
6542148	7380497	1821868	---	---	---	1,30	up
6542175	7037764	979996	---	---	---	1,07	down
6542286	7052813	1015928	---	---	---	1,05	up
6542301	7373038	1804288	---	---	---	1,31	up
6542321	7067828	1050799	---	---	---	1,30	up
6542328	7314270	1657743	---	---	---	1,08	down
6542380	7170764	1301486	---	---	---	1,30	up
6542406	7196187	1365960	---	---	---	1,06	up
6542479	7374143	1807014	---	---	---	1,19	up
6542500	7249503	1496182	---	---	---	1,23	up
6542505	7058713	1028657	---	---	---	1,04	down
6542529	7067670	1050362	---	---	---	1,12	up
6542541	7346066	1735293	---	---	---	1,01	down
6542640	7112225	1157535	---	---	---	1,15	down
6542759	7276650	1564148	---	---	---	1,02	down
6542760	7033337	969485	---	---	---	1,69	down
6542783	7112225	1157566	---	---	---	1,13	up
6542919	7033504	969853	---	---	---	1,75	down
6542947	7349804	1744567	---	---	---	2,14	down

6543097	7237719	1467502	---	---	---	1,18	up
6543299	7341646	1724194	---	---	---	1,04	up
6543331	7236254	1464055	---	---	---	2,14	down
6543358	7248790	1494530	---	---	---	1,02	down
6543359	7067614	1050179	---	---	---	1,83	down
6543445	7384365	1830281	---	---	---	1,10	down
6543464	7083031	1086283	---	---	---	1,36	down
6543560	7189669	1348984	---	---	---	1,24	up
6543607	7111066	1154965	---	---	---	1,23	down
6543708	7195903	1365334	---	---	---	1,16	up
6543953	7339379	1718349	---	---	---	1,13	up
6544003	7332059	1700726	---	---	---	1,14	down
6544012	7286807	1588801	---	---	---	1,61	down
6544075	7337845	1714332	---	---	---	1,25	up
6544334	7181105	1327962	---	---	---	1,39	up
6544385	7373678	1805860	---	---	---	1,45	down
6544403	7331237	1698719	---	---	---	1,06	down
6544420	7108345	1148078	---	---	---	1,26	down
6544760	7236395	1464340	---	---	---	1,33	up
6544792	7186464	1341384	---	---	---	1,26	down
6544905	7339379	1718357	---	---	---	1,42	up
6544962	7070836	1058341	---	---	---	2,30	down
6544974	7265259	1535443	---	---	---	1,39	up
6545080	7230611	1448824	---	---	---	1,13	up
6545104	7330727	1697154	---	---	---	1,06	up
6545257	7301900	1626743	---	---	---	1,18	up
6545281	7102369	1133413	---	---	---	1,17	up
6545332	7209927	1398924	---	---	---	1,14	up
6545463	7186443	1341313	---	---	---	1,21	up
6545515	7224166	1432685	---	---	---	1,48	up
6545609	7197056	1367833	---	---	---	1,43	down
6545632	7319937	1672289	---	---	---	1,12	up
6545650	7188829	1346663	---	---	---	1,04	up
6545651	7236254	1464058	---	---	---	1,76	up
6545861	7318631	1669023	---	---	---	1,01	up
6545870	7052385	1014781	---	---	---	1,16	up
6545874	7287337	1589971	---	---	---	1,79	down
6545913	7316452	1663557	---	---	---	1,53	up
6545942	7343122	1727725	---	---	---	2,09	up
6545957	7101400	1130910	---	---	---	1,01	down
6546070	7373417	1805093	---	---	---	1,12	up
6546232	7342356	1725906	---	---	---	2,26	up
6546285	7349804	1744566	---	---	---	1,28	up
6546406	7186106	1340487	---	---	---	1,56	down
6546492	7340304	1720853	---	---	---	2,52	up
6546567	7258776	1519646	---	---	---	1,02	down
6546570	7101643	1131566	---	---	---	1,01	up
6546583	7218728	1419926	---	---	---	1,49	up
6546634	7074989	1068381	---	---	---	1,03	down
6546649	7037764	980039	---	---	---	1,52	up
6546707	7330181	1695696	---	---	---	1,23	down
6546861	7101643	1131595	---	---	---	1,46	down
6546928	7233440	1456887	---	---	---	1,26	up
6546985	7088723	1100135	---	---	---	1,33	down
6547029	7373678	1805865	---	---	---	1,39	up
6547046	7156061	1265832	---	---	---	1,35	up

6547174	7049399	1008345	---	---	---	1,07	down
6547401	7313411	1655422	---	---	---	1,17	up
6547466	7323560	1680080	---	---	---	1,37	down
6547502	7176456	1315799	---	---	---	1,11	down
6547570	7059375	1030056	---	---	---	1,30	up
6547769	7050930	1011619	---	---	---	1,02	up
6547803	7206133	1389979	---	---	---	1,04	down
6547929	7373633	1805704	---	---	---	1,69	up
6547958	7081368	1082368	---	---	---	1,43	down
6547972	7303616	1631315	---	---	---	1,00	down
6548007	7341397	1723641	---	---	---	1,13	down
6548073	7143904	1235800	---	---	---	1,06	up
6548199	7270574	1548527	---	---	---	1,56	up
6548604	7231775	1452121	---	---	---	1,35	down
6548656	7071264	1059362	---	---	---	1,49	down
6548905	7217650	1417192	---	---	---	1,39	up
6548913	7372840	1803756	---	---	---	1,73	up
6548927	7307424	1641137	---	---	---	1,07	down
6549158	7192320	1356020	---	---	---	1,08	down
6549242	7072754	1062674	---	---	---	1,11	down
6549297	7058813	1028891	---	---	---	1,33	down
6549377	7112225	1157551	---	---	---	1,03	up
6549459	7260613	1524280	---	---	---	2,27	down
6549460	7101400	1130895	---	---	---	1,07	up
6549478	7030224	961132	---	---	---	1,55	down
6549487	7156114	1266053	---	---	---	1,06	down
6549595	7143455	1234722	---	---	---	1,03	down
6549617	7189689	1349045	---	---	---	1,04	up
6549626	7195903	1365333	---	---	---	1,02	up
6549832	7365183	1781912	---	---	---	1,07	up
6549852	7132024	1206344	---	---	---	1,01	down
6549854	7112225	1157534	---	---	---	1,07	down
6549886	7088489	1099521	---	---	---	1,13	down
6550056	7118196	1172695	---	---	---	1,11	down
6550198	7279881	1572736	---	---	---	1,74	up
6550286	7331829	1700172	---	---	---	1,65	down
6550291	7243130	1480942	---	---	---	1,64	up
6550424	7380497	1821833	---	---	---	1,06	up
6550539	7367990	1789224	---	---	---	1,19	up
6550545	7234195	1458975	---	---	---	1,00	down
6550567	7221552	1426615	---	---	---	1,21	down
6550669	7264085	1532719	---	---	---	1,05	up
6550676	7108551	1148697	---	---	---	1,15	up
6550803	7350237	1745489	---	---	---	1,58	up
6550833	7236358	1464256	---	---	---	1,23	down
6550851	7185483	1338927	---	---	---	1,18	up
6550871	7331434	1699198	---	---	---	1,23	up
6550896	7201540	1379434	---	---	---	1,39	up
6551098	7249503	1496199	---	---	---	1,08	down
6551119	7092965	1110195	---	---	---	1,03	up
6551166	7080131	1079793	---	---	---	1,15	down
6551248	7096842	1119236	---	---	---	1,06	down
6551380	7111361	1155580	---	---	---	1,01	up
6551434	7033672	970368	---	---	---	1,02	up
6551490	7155116	1263424	---	---	---	2,17	up
6551545	7183182	1333556	---	---	---	1,24	down

6551591	7236395	1464341	---	---	---	1,23	up
6551605	7236395	1464336	---	---	---	1,08	down
6551621	7242490	1479454	---	---	---	1,27	down
6551694	7189574	1348690	---	---	---	1,03	down
6551716	7373634	1805724	---	---	---	1,29	down
6551817	7277783	1567450	---	---	---	1,96	down
6551923	7132020	1206307	---	---	---	1,21	up
6551931	7154655	1262344	---	---	---	1,57	up
6551999	7070616	1057792	---	---	---	1,22	up
6552027	7340757	1721889	---	---	---	1,69	down
6552037	7072332	1061645	---	---	---	1,37	up
6552039	7186688	1341839	---	---	---	1,23	down
6552178	7334331	1705693	---	---	---	1,08	up
6552190	7170764	1301471	---	---	---	1,02	down
6552206	7307485	1641383	---	---	---	1,35	down
6552358	7042382	991294	---	---	---	1,17	up
6552359	7291853	1600977	---	---	---	2,02	down
6552369	7339379	1718321	---	---	---	1,25	down
6552379	7155116	1263438	---	---	---	1,46	up
6552466	7269314	1545614	---	---	---	1,11	down
6552693	7339379	1718344	---	---	---	1,30	down
6552803	7365183	1781905	---	---	---	1,50	down
6552828	7052813	1015912	---	---	---	1,11	up
6552908	7273744	1556982	---	---	---	1,87	down
6552964	7078273	1075822	---	---	---	1,27	up
6553025	7222221	1428072	---	---	---	1,59	down
6553089	7145669	1240014	---	---	---	1,48	down
6553114	7141061	1228644	---	---	---	1,05	up
6553147	7258520	1518892	---	---	---	1,11	down
6553357	7052813	1015921	---	---	---	1,36	up
6553451	7384365	1830270	---	---	---	1,55	down
6553492	7210599	1400510	---	---	---	1,03	up
6553499	7351951	1749815	---	---	---	1,09	up
6553636	7213945	1407831	---	---	---	1,26	down
6553668	7243130	1480899	---	---	---	1,53	down
6553693	7092965	1110199	---	---	---	1,46	up
6553720	7103782	1136947	---	---	---	1,04	up
6553760	7129841	1200834	---	---	---	1,18	down
6553849	7069830	1055612	---	---	---	1,06	down
6554288	7240569	1475480	---	---	---	1,08	down
6554345	7217747	1417487	---	---	---	1,31	down
6554376	7336931	1711872	---	---	---	1,01	up
6554413	7243603	1482293	---	---	---	1,15	up
6554475	7338807	1716807	---	---	---	1,43	down
6554482	7034293	971914	---	---	---	1,38	up
6554487	7174149	1310496	---	---	---	1,51	down
6554493	7359453	1768448	---	---	---	1,69	down
6554555	7352100	1750203	---	---	---	1,06	down
6554559	7069830	1055621	---	---	---	1,11	up
6554657	7344190	1730613	---	---	---	1,36	up
6554755	7047524	1004657	---	---	---	1,18	down
6554759	7180687	1326625	---	---	---	1,04	up
6554832	7034293	971810	---	---	---	4,03	up
6554858	7200996	1378167	---	---	---	1,26	down
6554861	7084193	1089047	---	---	---	2,04	down
6554933	7127691	1195633	---	---	---	1,01	up

6554970	7345465	1733842	---	---	---	2,29	up
6554975	7312566	1653306	---	---	---	1,08	down
6555121	7182713	1332539	---	---	---	1,12	up
6555159	7050557	1010795	---	---	---	2,01	down
6555247	7240224	1474389	---	---	---	1,23	up
6555337	7176409	1315668	---	---	---	1,19	down
6555398	7367990	1789226	---	---	---	1,16	up
6555580	7277719	1567086	---	---	---	1,50	down
6555691	7384365	1830286	---	---	---	1,23	down
6555826	7264797	1534436	---	---	---	1,04	up
6555857	7181086	1327927	---	---	---	1,08	down
6555946	7031774	964766	---	---	---	1,12	down
6555963	7049399	1008424	---	---	---	1,18	down
6555967	7233970	1458269	---	---	---	1,10	down
6555976	7065655	1045269	---	---	---	1,07	up
6555999	7095956	1117046	---	---	---	2,37	up
6556149	7270397	1548131	---	---	---	1,29	down
6556165	7104977	1140169	---	---	---	1,48	down
6556387	7245921	1487689	---	---	---	1,31	down
6556398	7078666	1076520	---	---	---	1,31	down
6556438	7303616	1631381	---	---	---	1,23	down
6556470	7240665	1475835	---	---	---	1,05	up
6556593	7358859	1766985	---	---	---	1,34	up
6556646	7325416	1684598	---	---	---	2,15	down
6556704	7263248	1530602	---	---	---	1,05	down
6556777	7243603	1482275	---	---	---	1,83	up
6556802	7050930	1011623	---	---	---	1,19	up
6556985	7337845	1714347	---	---	---	2,36	down
6557007	7225553	1435985	---	---	---	1,03	down
6557013	7108345	1148071	---	---	---	1,23	down
6557087	7301890	1626690	---	---	---	1,07	up
6557157	7384073	1829475	---	---	---	1,12	down
6557195	7312566	1653328	---	---	---	1,20	down
6557215	7076236	1071177	---	---	---	1,90	up
6557328	7364346	1779984	---	---	---	1,48	down
6557371	7368006	1789355	---	---	---	1,09	down
6557376	7034532	972652	---	---	---	1,06	up
6557511	7093936	1112477	---	---	---	1,24	up
6557523	7249503	1496181	---	---	---	1,17	down
6557616	7243647	1482444	---	---	---	1,09	up
6557621	7203872	1384748	---	---	---	1,36	down
6557629	7136062	1216294	---	---	---	1,22	down
6557895	7039223	983564	---	---	---	1,07	up
6557939	7240569	1475328	---	---	---	1,06	down
6557973	7214363	1408971	---	---	---	1,01	up
6557977	7143455	1234737	---	---	---	2,53	down
6558069	7228656	1444240	---	---	---	1,16	up
6558097	7145669	1240003	---	---	---	1,59	up
6558109	7243130	1480935	---	---	---	1,13	down
6558120	7287337	1589970	---	---	---	2,01	down
6558197	7247229	1490553	---	---	---	1,14	up
6558339	7360325	1770532	---	---	---	1,06	up
6558385	7120039	1177523	---	---	---	1,09	up
6558387	7145669	1240005	---	---	---	1,16	down
6558412	7272110	1553031	---	---	---	2,11	down
6558429	7303722	1631718	---	---	---	1,31	up

6558673	7226241	1437813	---	---	---	1,07	down
6558692	7155624	1264727	---	---	---	4,01	down
6558787	7065265	1044574	---	---	---	1,22	down
6558899	7247228	1490526	---	---	---	1,29	up
6558957	7367946	1788965	---	---	---	1,16	up
6558962	7133181	1209153	---	---	---	1,22	down
6559211	7127691	1195630	---	---	---	1,63	down
6559294	7236492	1464541	---	---	---	1,26	down
6559349	7217650	1417205	---	---	---	1,20	up
6559370	7146245	1241377	---	---	---	1,29	down
6559505	7376820	1813421	---	---	---	1,10	up
6559691	7129841	1200834	---	---	---	1,02	up
6559898	7322020	1676634	---	---	---	1,37	down
6559919	7156052	1265757	---	---	---	1,27	down
6560056	7344406	1731203	---	---	---	1,59	up
6560060	7108551	1148698	---	---	---	1,04	up
6560076	7297589	1615656	---	---	---	1,16	down
6560215	7323522	1679867	---	---	---	1,02	down
6560315	7363674	1778424	---	---	---	1,43	up
6560351	7120827	1179351	---	---	---	2,35	down
6560398	7184850	1337597	---	---	---	1,08	up
6560409	7137646	1220437	---	---	---	1,12	down
6560415	7034756	973225	---	---	---	1,11	down
6560450	7385253	1832224	---	---	---	1,08	down
6560463	7125348	1190100	---	---	---	1,07	up
6560521	7069239	1054091	---	---	---	2,43	down
6560590	7036412	976858	---	---	---	1,00	up
6560612	7341253	1723301	---	---	---	1,00	up
6560627	7193056	1358270	---	---	---	1,08	down
6560647	7069464	1054662	---	---	---	1,09	up
6560663	7251608	1501464	---	---	---	1,02	down
6560748	7127540	1195278	---	---	---	1,38	up
6560766	7217650	1417190	---	---	---	1,03	down
6560806	7072765	1062737	---	---	---	1,06	up
6560872	7344530	1731577	---	---	---	1,15	up
6560909	7146982	1243284	---	---	---	1,84	up
6561000	7033672	970337	---	---	---	1,13	down
6561124	7065115	1044177	---	---	---	1,97	down
6561153	7236395	1464330	---	---	---	1,66	down
6561271	7264274	1533174	---	---	---	2,68	down
6561294	7030454	961554	---	---	---	1,08	down
6561382	7058713	1028667	---	---	---	1,25	up
6561401	7315571	1661011	---	---	---	1,15	down
6561539	7069464	1054672	---	---	---	1,22	up
6561575	7068073	1051176	---	---	---	1,28	down
6561576	7245066	1485578	---	---	---	1,84	up
6561617	7244602	1484780	---	---	---	1,10	down
6561624	7356027	1759985	---	---	---	1,32	down
6561628	7081657	1083070	---	---	---	1,55	down
6561821	7217321	1416032	---	---	---	2,69	down
6561996	7313411	1655439	---	---	---	1,05	up
6562023	7112225	1157536	---	---	---	1,34	up
6562215	7253272	1505578	---	---	---	1,10	down
6562245	7086966	1095241	---	---	---	1,24	up
6562283	7329846	1694994	---	---	---	1,02	up
6562304	7211389	1402112	---	---	---	2,06	up

6562388	7327169	1688457	---	---	---	1,26	down
6562398	7131360	1204990	---	---	---	1,06	up
6562402	7319937	1672261	---	---	---	1,03	down
6562558	7247228	1490519	---	---	---	2,06	up
6562576	7088164	1098469	---	---	---	2,59	up
6562617	7329846	1694989	---	---	---	1,20	up
6562679	7132024	1206337	---	---	---	1,15	down
6562737	7382452	1826171	---	---	---	1,12	up
6562761	7042382	991295	---	---	---	1,21	down
6562850	7316644	1664026	---	---	---	1,22	up
6562881	7183182	1333557	---	---	---	1,26	up
6562959	7131550	1205554	---	---	---	1,66	down
6563009	7303616	1631352	---	---	---	1,03	down
6563011	7236395	1464331	---	---	---	1,32	up
6563047	7335091	1707319	---	---	---	1,04	down
6563085	7076160	1070872	---	---	---	1,94	up
6563141	7191983	1355173	---	---	---	1,54	down
6563193	7225304	1435314	---	---	---	1,03	up
6563237	7380497	1821828	---	---	---	1,02	down
6563349	7051029	1011854	---	---	---	1,06	down
6563365	7228530	1443904	---	---	---	1,11	up
6563578	7349817	1744642	---	---	---	1,09	up
6563599	7122319	1183071	---	---	---	1,18	up
6563639	7267802	1541836	---	---	---	1,03	down
6563695	7243653	1482554	---	---	---	1,02	down
6563786	7037764	980081	---	---	---	1,19	down
6563823	7374143	1807008	---	---	---	1,19	down
6563946	7280743	1574520	---	---	---	1,30	up
6564002	7199476	1374570	---	---	---	1,13	up
6564030	7289382	1595211	---	---	---	1,03	down
6564033	7339379	1718364	---	---	---	1,21	down
6564165	7168858	1296846	---	---	---	1,11	down
6564166	7287222	1589729	---	---	---	1,13	up
6564260	7087492	1096701	---	---	---	1,12	down
6564471	7115880	1166818	---	---	---	1,07	up
6564478	7312338	1652775	---	---	---	4,44	down
6564495	7222221	1428056	---	---	---	1,24	down
6564522	7240569	1475321	---	---	---	1,35	down
6564582	7096924	1119618	---	---	---	1,79	up
6564600	7374740	1808626	---	---	---	1,01	up
6564619	7127540	1195280	---	---	---	1,80	down
6564689	7112562	1158604	---	---	---	1,01	down
6564767	7276650	1564133	---	---	---	1,06	up
6564817	7231203	1450431	---	---	---	1,23	down
6564821	7034293	971849	---	---	---	1,68	down
6564918	7101258	1130564	---	---	---	1,27	down
6564933	7150348	1251381	---	---	---	1,00	up
6565001	7374143	1807009	---	---	---	1,42	down
6565070	7377583	1815459	---	---	---	1,48	up
6565074	7234040	1458493	---	---	---	1,43	up
6565105	7049916	1009199	---	---	---	2,51	up
6565232	7156052	1265772	---	---	---	1,17	up
6565295	7383501	1828201	---	---	---	1,62	up
6565374	7297523	1615452	---	---	---	1,44	up
6565494	7180243	1325507	---	---	---	2,41	down
6565550	7360486	1770948	---	---	---	1,02	up

6565617	7368004	1789329	---	---	---	1,20	up
6565674	7297589	1615665	---	---	---	1,31	down
6565692	7235069	1460983	---	---	---	1,05	up
6565777	7028624	958000	---	---	---	1,02	up
6565780	7167507	1293120	---	---	---	1,32	up
6565804	7232029	1452789	---	---	---	1,65	up
6565835	7163892	1284214	---	---	---	1,16	down
6565841	7265259	1535437	---	---	---	1,42	up
6565857	7374143	1807014	---	---	---	1,22	down
6565869	7261592	1526846	---	---	---	1,60	down
6565942	7096859	1119313	---	---	---	1,26	up
6565948	7199341	1374162	---	---	---	1,18	down
6565951	7252383	1503516	---	---	---	1,09	down
6565970	7080106	1079749	---	---	---	1,08	down
6566050	7050930	1011615	---	---	---	1,35	up
6566060	7068259	1051644	---	---	---	1,05	down
6566075	7371539	1800303	---	---	---	1,09	down
6566187	7198210	1371006	---	---	---	1,30	up
6566206	7125160	1189600	---	---	---	1,06	up
6566277	7180861	1327224	---	---	---	1,06	down
6566295	7320337	1673335	---	---	---	1,01	down
6566306	7330396	1696337	---	---	---	1,24	down
6566335	7280743	1574545	---	---	---	1,11	down
6566457	7218728	1419926	---	---	---	1,70	up
6566503	7095021	1115131	---	---	---	1,80	down
6566518	7374143	1807014	---	---	---	1,31	down
6566570	7037764	980086	---	---	---	1,06	up
6566695	7025652	950342	---	---	---	1,33	up
6566702	7060851	1033432	---	---	---	1,22	up
6566747	7329846	1695001	---	---	---	2,12	down
6566803	7378637	1817829	---	---	---	1,52	down
6566962	7071969	1060899	---	---	---	1,42	up
6567003	7253408	1505950	---	---	---	1,30	down
6567092	7363674	1778410	---	---	---	1,14	down
6567130	7367971	1789134	---	---	---	1,20	up
6567213	7098126	1122980	---	---	---	1,08	up
6567237	7088723	1100102	---	---	---	1,32	down
6567561	7156044	1265709	---	---	---	1,12	down
6567582	7075424	1069284	---	---	---	1,16	up
6567584	7132024	1206340	---	---	---	1,16	up
6567598	7378997	1818671	---	---	---	1,33	down
6567627	7254040	1507597	---	---	---	1,34	down
6567679	7228848	1444755	---	---	---	1,69	down
6567722	7368954	1792774	---	---	---	2,24	down
6568036	7337260	1712810	---	---	---	1,47	up
6568097	7070869	1058470	---	---	---	1,72	down
6568242	7361223	1772615	---	---	---	1,29	down
6568361	7357815	1764124	---	---	---	1,06	up
6568426	7254088	1507737	---	---	---	1,03	up
6568456	7240569	1475463	---	---	---	1,09	down
6568462	7340990	1722514	---	---	---	2,50	down
6568706	7043535	994110	---	---	---	1,29	up
6568810	7263401	1530978	---	---	---	2,04	up
6568875	7111573	1156028	---	---	---	1,06	up
6568923	7256191	1512867	---	---	---	1,18	up
6569031	7058813	1028917	---	---	---	1,36	up

6569040	7217650	1417199	---	---	---	2,45	down
6569151	7188685	1346321	---	---	---	1,21	down
6569158	7373633	1805713	---	---	---	1,24	up
6569160	7319259	1670398	---	---	---	1,20	up
6569257	7189689	1349052	---	---	---	1,65	down
6569315	7060851	1033444	---	---	---	1,03	up
6569372	7038530	981863	---	---	---	1,32	up
6569379	7342356	1725873	---	---	---	1,31	down
6569508	7087965	1098031	---	---	---	1,13	up
6569510	7236492	1464545	---	---	---	1,02	down
6569525	7294264	1606845	---	---	---	1,02	up
6569575	7192186	1355617	---	---	---	1,03	up
6569616	7358859	1767008	---	---	---	1,03	down
6569693	7245921	1487690	---	---	---	1,43	down
6569700	7213908	1407760	---	---	---	1,05	up
6569794	7076236	1071195	---	---	---	1,05	up
6569802	7256191	1512884	---	---	---	1,01	up
6569830	7058813	1028902	---	---	---	1,80	up
6569882	7268457	1543637	---	---	---	1,00	down
6569939	7384073	1829466	---	---	---	1,31	up
6570015	7231203	1450474	---	---	---	1,31	up
6570022	7364346	1779993	---	---	---	1,05	up
6570081	7209927	1398924	---	---	---	1,22	up
6570111	7267802	1541743	---	---	---	1,07	up
6570207	7199476	1374536	---	---	---	1,07	up
6570254	7276231	1563117	---	---	---	1,07	up
6570256	7137751	1220585	---	---	---	2,24	up
6570288	7339110	1717606	---	---	---	1,13	down
6570412	7240569	1475481	---	---	---	1,01	up
6570487	7075424	1069278	---	---	---	1,31	down
6570591	7378878	1818318	---	---	---	1,53	down
6570625	7193056	1358284	---	---	---	1,14	up
6570647	7236395	1464330	---	---	---	1,17	down
6570650	7108551	1148708	---	---	---	1,01	up
6570653	7257361	1516099	---	---	---	1,17	down
6570669	7058813	1028903	---	---	---	1,19	up
6570674	7301616	1625902	---	---	---	1,13	down
6570874	7360486	1770942	---	---	---	1,21	down
6570880	7243647	1482450	---	---	---	1,02	up
6571069	7368729	1792049	---	---	---	1,01	down
6571118	7068942	1053366	---	---	---	1,01	up
6571146	7341253	1723288	---	---	---	2,44	down
6571151	7222221	1428058	---	---	---	1,01	down
6571197	7092406	1108786	---	---	---	1,06	up
6571209	7181105	1327948	---	---	---	1,15	down
6571277	7092549	1109189	---	---	---	1,28	up
6571296	7277719	1567080	---	---	---	1,03	down
6571446	7058713	1028660	---	---	---	1,04	up
6571666	7162177	1280579	---	---	---	1,12	up
6571690	7345465	1733837	---	---	---	1,18	up
6571746	7209927	1398932	---	---	---	1,03	down
6571749	7130889	1203882	---	---	---	1,04	down
6571775	7193644	1359716	---	---	---	1,23	down
6571826	7038669	982189	---	---	---	1,07	up
6571869	7331434	1699218	---	---	---	1,01	down
6571944	7197056	1367837	---	---	---	1,01	up

6571961	7267802	1541799	---	---	---	1,24	down
6572034	7189689	1349041	---	---	---	1,04	down
6572099	7181105	1327948	---	---	---	1,45	up
6572194	7145669	1239990	---	---	---	1,02	up
6572405	7099156	1125637	---	---	---	1,01	down
6572459	7097454	1120884	---	---	---	1,26	down
6572516	7364346	1779966	---	---	---	1,64	down
6572616	7248790	1494548	---	---	---	1,14	down
6572642	7030863	962596	---	---	---	2,21	up
6572856	7199476	1374523	---	---	---	1,01	up
6572863	7210387	1400036	---	---	---	1,17	down
6572888	7297589	1615647	---	---	---	1,06	down
6572996	7167883	1294108	---	---	---	1,74	down
6573053	7170845	1301899	---	---	---	1,69	up
6573135	7371643	1800656	---	---	---	1,05	down
6573187	7133612	1210252	---	---	---	1,21	down
6573363	7068942	1053385	---	---	---	1,11	up
6573374	7323545	1679934	---	---	---	1,40	down
6573402	7327169	1688466	---	---	---	1,19	down
6573405	7211389	1402114	---	---	---	1,08	down
6573408	7138047	1221232	---	---	---	1,38	down
6573433	7189574	1348711	---	---	---	1,06	up
6573459	7247954	1492358	---	---	---	1,10	down
6573576	7237438	1466784	---	---	---	1,21	up
6573898	7226241	1437778	---	---	---	1,27	down
6573950	7146093	1240980	---	---	---	1,31	up
6573966	7052385	1014799	---	---	---	1,05	up
6574074	7115362	1165599	---	---	---	1,20	down
6574125	7277783	1567447	---	---	---	2,11	up
6574346	7176456	1315832	---	---	---	1,04	up
6574435	7226241	1437803	---	---	---	1,27	up
6574496	7193644	1359712	---	---	---	1,19	down
6574512	7359659	1768841	---	---	---	1,31	down
6574600	7360486	1770964	---	---	---	3,91	down
6574610	7315206	1660027	---	---	---	1,27	up
6574624	7255663	1511711	---	---	---	1,60	up
6574874	7039223	983575	---	---	---	1,18	down
6575037	7240569	1475510	---	---	---	1,00	up
6575131	7112225	1157576	---	---	---	1,90	down
6575145	7236254	1464071	---	---	---	1,12	up
6575311	7186106	1340487	---	---	---	1,33	up
6575386	7266532	1538305	---	---	---	1,26	down
6575455	7320337	1673314	---	---	---	1,27	up
6575541	7037764	980000	---	---	---	1,10	down
6575673	7041609	989568	---	---	---	1,18	up
6575681	7323545	1679972	---	---	---	1,16	up
6575765	7344530	1731565	---	---	---	1,03	up
6575769	7263152	1530384	---	---	---	1,16	down
6575825	7080106	1079737	---	---	---	1,01	up
6575886	7202550	1381605	---	---	---	1,15	up
6576093	7068259	1051636	---	---	---	1,05	up
6576414	7249503	1496234	---	---	---	1,17	up
6576489	7072332	1061647	---	---	---	1,01	up
6576512	7111837	1156821	---	---	---	1,08	down
6576565	7188138	1345017	---	---	---	1,43	up
6576606	7025652	950277	---	---	---	1,03	down

6576700	7331297	1698808	---	---	---	1,38	down
6576729	7139708	1225052	---	---	---	1,10	up
6576771	7218259	1418806	---	---	---	1,26	down
6576906	7226241	1437785	---	---	---	1,17	up
6576914	7349643	1744174	---	---	---	1,11	up
6576979	7199341	1374140	---	---	---	1,23	up
6576980	7342959	1727336	---	---	---	1,05	up
6577126	7307485	1641330	---	---	---	1,13	down
6577154	7098126	1122981	---	---	---	1,27	down
6577240	7040260	986040	---	---	---	1,14	up
6577313	7297589	1615687	---	---	---	1,79	up
6577455	7148978	1248548	---	---	---	1,05	down
6577565	7097525	1121059	---	---	---	1,39	up
6577634	7240569	1475360	---	---	---	1,00	down
6577650	7031618	964202	---	---	---	1,16	down
6577673	7374790	1808784	---	---	---	1,02	up
6577690	7331602	1699641	---	---	---	2,01	down
6577707	7198210	1370981	---	---	---	1,53	up
6577811	7261766	1527159	---	---	---	1,23	up
6578032	7330727	1697141	---	---	---	1,23	up
6578077	7033337	969490	---	---	---	1,44	down
6578184	7194202	1361297	---	---	---	2,89	up
6578246	7111573	1156015	---	---	---	1,01	up
6578330	7255755	1511912	---	---	---	2,14	up
6578339	7301616	1625898	---	---	---	1,33	up
6578401	7360486	1770963	---	---	---	1,49	down
6578423	7373678	1805860	---	---	---	1,23	down
6578426	7092549	1109198	---	---	---	1,28	down
6578574	7231203	1450391	---	---	---	1,05	down
6578604	7384073	1829471	---	---	---	1,00	down
6578648	7294151	1606620	---	---	---	1,26	down
6578758	7236395	1464335	---	---	---	1,17	down
6578808	7189689	1349031	---	---	---	1,33	up
6578887	7101643	1131595	---	---	---	1,05	up
6578913	7367305	1786999	---	---	---	2,12	down
6579060	7064220	1041766	---	---	---	1,01	down
6579114	7142081	1230976	---	---	---	1,15	down
6579191	7326612	1687203	---	---	---	1,17	up
6579225	7339379	1718358	---	---	---	1,95	down
6579339	7329846	1694997	---	---	---	1,50	down
6579429	7056333	1023672	---	---	---	1,04	up
6579490	7315571	1661004	---	---	---	1,09	down
6579549	7248790	1494496	---	---	---	1,35	up
6579599	7038316	981460	---	---	---	1,02	down
6579905	7059449	1030304	---	---	---	1,31	up
6579908	7267380	1540397	---	---	---	1,62	down
6579919	7289909	1596509	---	---	---	1,29	up
6579923	7240569	1475366	---	---	---	1,10	up
6579999	7355421	1758508	---	---	---	2,22	up
6580134	7355804	1759433	---	---	---	1,94	down
6580200	7356001	1759921	---	---	---	2,01	down
6580241	7025652	950291	---	---	---	1,25	down
6580260	7075445	1069351	---	---	---	1,05	down
6580292	7253408	1505950	---	---	---	1,07	up
6580511	7380497	1821825	---	---	---	1,00	down
6580589	7356115	1760113	---	---	---	1,12	up

6580743	7098126	1122985	---	---	---	1,05	down
6580895	7334331	1705690	---	---	---	1,48	down
6580958	7037235	978585	---	---	---	1,23	up
6580961	7086966	1095268	---	---	---	1,04	up
6581026	7345882	1734812	---	---	---	1,04	up
6581116	7084993	1090674	---	---	---	1,07	down
6581157	7047865	1005353	---	---	---	1,12	up
6581223	7043535	994120	---	---	---	1,55	down
6581254	7217747	1417509	---	---	---	2,58	up
6581346	7082098	1084110	---	---	---	1,10	up
6581389	7127257	1194805	---	---	---	1,69	up
6581398	7217747	1417485	---	---	---	1,03	down
6581403	7267802	1541872	---	---	---	1,34	up
6581549	7214363	1408968	---	---	---	1,39	up
6581608	7221552	1426615	---	---	---	1,25	up
6581685	7167507	1293125	---	---	---	1,10	down
6581701	7069830	1055645	---	---	---	1,56	up
6581712	7049118	1007792	---	---	---	1,04	down
6581729	7209927	1398930	---	---	---	1,44	down
6581838	7307424	1641140	---	---	---	1,69	down
6581873	7247334	1490820	---	---	---	1,49	up
6581936	7145669	1240008	---	---	---	1,11	up
6581949	7049399	1008403	---	---	---	1,09	up
6581960	7373634	1805725	---	---	---	1,30	up
6581976	7061703	1035735	---	---	---	1,08	down
6582046	7143240	1234156	---	---	---	1,13	up
6582088	7174149	1310521	---	---	---	1,03	down
6582147	7319937	1672261	---	---	---	1,18	up
6582155	7029770	960158	---	---	---	1,19	down
6582201	7281077	1575563	---	---	---	1,56	up
6582213	7229886	1447172	---	---	---	1,21	up
6582247	7226241	1437791	---	---	---	1,17	down
6582340	7131360	1204980	---	---	---	1,25	up
6582382	7062436	1037682	---	---	---	1,16	up
6582395	7115146	1164937	---	---	---	1,24	up
6582506	7369939	1795606	---	---	---	2,17	up
6582610	7243647	1482477	---	---	---	1,01	down
6582659	7068942	1053391	---	---	---	1,24	down
6582664	7052813	1015941	---	---	---	1,34	down
6582951	7098867	1124958	---	---	---	1,30	down
6583033	7256238	1513032	---	---	---	1,14	up
6583036	7248790	1494567	---	---	---	1,07	up
6583058	7195903	1365327	---	---	---	1,30	up
6583126	7141061	1228643	---	---	---	1,10	up
6583225	7129841	1200835	---	---	---	1,55	down
6583323	7281494	1576589	---	---	---	1,20	down
6583383	7130889	1203865	---	---	---	1,03	up
6583466	7238115	1468627	---	---	---	1,10	up
6583525	7087282	1096170	---	---	---	1,36	up
6583533	7280743	1574517	---	---	---	1,37	up
6583564	7263152	1530357	---	---	---	1,54	up
6583704	7280743	1574497	---	---	---	1,14	up
6583740	7147809	1245449	---	---	---	1,31	down
6583812	7274892	1559581	---	---	---	1,20	down
6583838	7376566	1812861	---	---	---	1,26	down
6583851	7284359	1583434	---	---	---	1,27	up

6583939	7042382	991295	---	---	---	1,89	down
6584060	7299785	1621353	---	---	---	1,01	up
6584307	7337522	1713595	---	---	---	1,44	down
6584354	7084792	1090341	---	---	---	1,46	down
6584392	7224166	1432687	---	---	---	1,99	down
6584497	7034293	971929	---	---	---	1,01	down
6584502	7181016	1327778	---	---	---	1,10	up
6584564	7353441	1753334	---	---	---	1,40	up
6584595	7068259	1051659	---	---	---	1,14	down
6584669	7248790	1494533	---	---	---	1,38	down
6584736	7287222	1589717	---	---	---	1,05	down
6584809	7127691	1195630	---	---	---	1,45	down
6584881	7224166	1432687	---	---	---	1,11	up
6584890	7311218	1650356	---	---	---	1,32	up
6584897	7167507	1293131	---	---	---	1,09	up
6584944	7042382	991292	---	---	---	1,32	up
6585004	7385253	1832225	---	---	---	1,11	down
6585054	7217679	1417294	---	---	---	1,75	down
6585059	7052933	1016219	---	---	---	1,02	up
6585073	7188829	1346669	---	---	---	1,26	down
6585150	7231589	1451695	---	---	---	1,62	down
6585288	7120195	1177874	---	---	---	1,17	up
6585321	7351953	1749881	---	---	---	1,10	up
6585360	7068259	1051635	---	---	---	1,17	up
6585389	7114108	1162444	---	---	---	1,06	up
6585401	7142081	1230973	---	---	---	1,11	up
6585451	7380497	1821869	---	---	---	1,11	up
6585652	7156044	1265714	---	---	---	1,32	down
6585675	7378546	1817594	---	---	---	1,29	down
6585683	7025652	950275	---	---	---	1,18	down
6585765	7253408	1505953	---	---	---	1,07	down
6585798	7337845	1714345	---	---	---	1,26	up
6585826	7196029	1365624	---	---	---	1,05	down
6585903	7052813	1015887	---	---	---	1,02	down
6586013	7268457	1543637	---	---	---	1,16	up
6586179	7168858	1296848	---	---	---	1,10	up
6586252	7043535	994103	---	---	---	1,09	up
6586263	7087965	1098018	---	---	---	1,36	down
6586279	7087492	1096698	---	---	---	1,01	up
6586316	7299512	1620553	---	---	---	2,49	down
6586472	7198210	1370990	---	---	---	1,04	up
6586520	7096859	1119303	---	---	---	1,15	up
6586542	7332970	1702533	---	---	---	1,29	up
6586550	7177180	1317778	---	---	---	1,19	up
6586634	7261592	1526843	---	---	---	1,37	down
6586657	7069142	1053873	---	---	---	1,21	down
6586663	7096859	1119316	---	---	---	1,12	up
6586995	7189574	1348689	---	---	---	3,42	down
6587004	7087805	1097455	---	---	---	1,44	up
6587019	7168858	1296826	---	---	---	1,04	down
6587032	7217679	1417296	---	---	---	1,07	up
6587231	7181193	1328289	---	---	---	1,06	down
6587250	7289382	1595205	---	---	---	1,42	down
6587259	7242490	1479444	---	---	---	1,38	up
6587294	7236395	1464340	---	---	---	1,24	down
6587297	7373633	1805702	---	---	---	1,32	down

6587388	7292517	1602556	---	---	---	2,18	down
6587451	7276650	1564140	---	---	---	1,03	up
6587636	7049399	1008404	---	---	---	1,13	down
6587678	7368684	1791854	---	---	---	1,67	up
6587696	7358859	1766980	---	---	---	1,63	up
6587717	7189669	1348977	---	---	---	1,14	up
6587919	7049399	1008381	---	---	---	1,05	down
6587930	7213908	1407671	---	---	---	1,09	up
6587978	7039223	983567	---	---	---	1,31	up
6588060	7365183	1781905	---	---	---	1,88	up
6588062	7261019	1525281	---	---	---	1,34	up
6588134	7280743	1574481	---	---	---	1,16	down
6588206	7341253	1723296	---	---	---	1,02	down
6588312	7238115	1468641	---	---	---	1,07	down
6588357	7056333	1023682	---	---	---	1,25	down
6588359	7279303	1571203	---	---	---	1,34	down
6588361	7070869	1058499	---	---	---	1,16	up
6588511	7059020	1029354	---	---	---	1,54	down
6588517	7075096	1068575	---	---	---	1,89	up
6588548	7343122	1727746	---	---	---	1,06	down
6588568	7287222	1589723	---	---	---	1,19	down
6588627	7195903	1365336	---	---	---	1,22	up
6588668	7025652	950357	---	---	---	1,57	up
6588674	7341397	1723649	---	---	---	1,03	down
6588687	7236254	1464078	---	---	---	2,07	down
6588696	7282343	1578678	---	---	---	1,03	down
6588742	7052933	1016211	---	---	---	1,07	up
6588859	7280743	1574475	---	---	---	1,09	down
6589040	7041609	989557	---	---	---	1,04	down
6589078	7272110	1553078	---	---	---	1,16	up
6589083	7036870	977869	---	---	---	1,23	up
6589280	7069253	1054157	---	---	---	1,07	up
6589318	7168858	1296828	---	---	---	1,05	down
6589378	7257976	1517712	---	---	---	1,19	up
6589427	7384073	1829470	---	---	---	1,26	up
6589462	7295410	1609779	---	---	---	1,25	up
6589646	7243603	1482280	---	---	---	1,00	down
6589715	7342959	1727355	---	---	---	2,15	down
6589769	7167876	1294048	---	---	---	1,35	up
6589789	7189574	1348706	---	---	---	1,20	up
6589862	7280743	1574553	---	---	---	1,32	down
6589875	7031325	963573	---	---	---	1,03	up
6590044	7145669	1239990	---	---	---	1,81	up
6590197	7129688	1200558	---	---	---	1,17	down
6590318	7267380	1540404	---	---	---	1,50	up
6590482	7367969	1789105	---	---	---	2,06	down
6590924	7337224	1712599	---	---	---	1,11	down
6590937	7229886	1447149	---	---	---	1,01	down
6590941	7101258	1130562	---	---	---	1,04	up
6590972	7334347	1705751	---	---	---	1,19	up
6591003	7358859	1766974	---	---	---	1,11	up
6591033	7097680	1121729	---	---	---	1,06	down
6591076	7043379	993641	---	---	---	1,63	down
6591109	7291054	1599395	---	---	---	1,35	up
6591156	7181193	1328288	---	---	---	1,48	up
6591158	7334347	1705777	---	---	---	1,00	down

6591190	7084193	1089055	---	---	---	1,68	up
6591294	7365093	1781623	---	---	---	1,06	up
6591318	7320337	1673314	---	---	---	1,00	up
6591470	7320337	1673317	---	---	---	1,23	down
6591568	7049399	1008407	---	---	---	1,34	up
6591684	7274780	1559244	---	---	---	1,32	down
6591778	7351951	1749843	---	---	---	1,04	down
6591823	7156978	1268178	---	---	---	2,02	down
6591877	7086522	1093943	---	---	---	1,20	down
6592026	7198325	1371352	---	---	---	1,13	down
6592094	7342959	1727344	---	---	---	1,25	down
6592151	7371677	1800755	---	---	---	1,08	down
6592306	7295410	1609733	---	---	---	1,01	down
6592372	7240665	1475832	---	---	---	1,10	down
6592413	7293757	1605690	---	---	---	1,00	down
6592452	7339286	1718104	---	---	---	1,02	down
6592505	7113483	1160995	---	---	---	1,37	down
6592514	7129841	1200832	---	---	---	1,02	down
6592679	7068697	1052768	---	---	---	1,24	down
6592685	7384073	1829471	---	---	---	1,06	up
6592855	7240569	1475458	---	---	---	1,11	down
6593113	7335632	1708453	---	---	---	1,32	down
6593219	7171047	1302370	---	---	---	2,63	up
6593310	7279586	1572073	---	---	---	1,26	up
6593343	7267953	1542235	---	---	---	1,18	down
6593512	7168858	1296819	---	---	---	1,40	down
6593514	7320337	1673310	---	---	---	1,08	down
6593569	7225553	1435984	---	---	---	1,74	down
6593782	7067828	1050798	---	---	---	1,56	down
6593814	7075445	1069357	---	---	---	1,31	down
6593828	7185622	1339217	---	---	---	1,02	up
6593858	7330238	1695948	---	---	---	2,07	down
6593934	7319486	1670926	---	---	---	2,43	down
6593935	7297274	1614657	---	---	---	1,06	up
6593952	7113483	1161023	---	---	---	1,13	up
6593995	7222221	1428060	---	---	---	1,24	up
6594003	7323545	1679941	---	---	---	1,06	down
6594004	7050726	1011266	---	---	---	1,01	down
6594008	7068143	1051296	---	---	---	1,44	down
6594014	7378997	1818678	---	---	---	1,07	up
6594189	7059584	1030557	---	---	---	1,51	down
6594239	7115880	1166826	---	---	---	1,08	down
6594256	7326612	1687186	---	---	---	1,10	down
6594384	7043379	993638	---	---	---	1,12	down
6594408	7180861	1327222	---	---	---	1,05	up
6594469	7200129	1375997	---	---	---	1,27	down
6594506	7075445	1069358	---	---	---	1,10	up
6594550	7059020	1029352	---	---	---	1,49	up
6594595	7058813	1028905	---	---	---	1,04	down
6594638	7332970	1702533	---	---	---	1,09	down
6594656	7338807	1716791	---	---	---	1,10	down
6594686	7279303	1571205	---	---	---	1,57	down
6594799	7030454	961546	---	---	---	1,44	up
6594831	7092549	1109169	---	---	---	1,33	down
6595000	7129841	1200833	---	---	---	1,04	up
6595107	7127691	1195630	---	---	---	1,24	up

6595241	7379957	1820635	---	---	---	1,42	down
6595256	7074989	1068379	---	---	---	1,25	up
6595342	7298920	1618822	---	---	---	1,14	up
6595562	7295410	1609765	---	---	---	1,07	up
6595725	7049118	1007772	---	---	---	1,11	down
6595847	7171034	1302293	---	---	---	1,07	down
6595888	7060851	1033412	---	---	---	2,14	down
6595895	7293049	1603887	---	---	---	1,81	up
6596055	7326612	1687187	---	---	---	1,42	down
6596072	7142416	1231814	---	---	---	2,27	up
6596097	7087965	1098038	---	---	---	1,10	down
6596106	7031618	964206	---	---	---	1,08	down
6596275	7180861	1327223	---	---	---	2,32	up
6596298	7097680	1121728	---	---	---	1,27	down
6596385	7380497	1821847	---	---	---	1,11	up
6596392	7096924	1119615	---	---	---	1,31	up
6596527	7039463	984254	---	---	---	1,14	down
6596550	7251608	1501453	---	---	---	1,03	up
6596624	7071714	1060364	---	---	---	1,09	up
6596628	7027797	956281	---	---	---	1,55	up
6596678	7177520	1318612	---	---	---	1,06	down
6596786	7052567	1015257	---	---	---	1,03	up
6596805	7188829	1346667	---	---	---	1,17	up
6596839	7235069	1460990	---	---	---	1,38	down
6596858	7267802	1541743	---	---	---	1,36	up
6597001	7050167	1009827	---	---	---	1,13	up
6597007	7378546	1817609	---	---	---	1,41	up
6597092	7354688	1756372	---	---	---	1,15	up
6597122	7039223	983552	---	---	---	1,13	up
6597173	7038530	981858	---	---	---	1,25	down
6597346	7266532	1538309	---	---	---	1,01	down
6597364	7341397	1723631	---	---	---	1,11	up
6597371	7228530	1443826	---	---	---	1,08	down
6597512	7285688	1586193	---	---	---	1,30	up
6597645	7148978	1248480	---	---	---	1,03	down
6597698	7224166	1432687	---	---	---	1,58	down
6597934	7254040	1507607	---	---	---	1,24	up
6598076	7069830	1055615	---	---	---	1,10	up
6598132	7159177	1273345	---	---	---	1,19	up
6598197	7243130	1480895	---	---	---	1,04	up
6598200	7340258	1720734	---	---	---	1,24	down
6598257	7338807	1716802	---	---	---	1,04	up
6598583	7323560	1680032	---	---	---	1,15	up
6598688	7341397	1723643	---	---	---	1,32	up
6598718	7256191	1512862	---	---	---	1,03	down
6598832	7065266	1044576	---	---	---	2,19	up
6598911	7186440	1341256	---	---	---	1,38	up
6598939	7371446	1800083	---	---	---	1,18	up
6599043	7030127	960858	---	---	---	1,45	up
6599067	7209927	1398922	---	---	---	1,25	down
6599116	7037764	979976	---	---	---	1,37	up
6599194	7149817	1250312	---	---	---	1,11	down
6599217	7380497	1821872	---	---	---	1,13	up
6599244	7049118	1007801	---	---	---	1,17	down
6599364	7291853	1600977	---	---	---	1,75	down
6599869	7071264	1059362	---	---	---	1,27	down

6599949	7172988	1307294	---	---	---	1,50	down
6600073	7213908	1407768	---	---	---	1,09	up
6600195	7083030	1086262	---	---	---	1,43	up
6600219	7334347	1705758	---	---	---	1,22	down
6600301	7243130	1480880	---	---	---	1,18	down
6600378	7068697	1052760	---	---	---	1,04	up
6600431	7182679	1332419	---	---	---	1,87	down
6600616	7217321	1416030	---	---	---	1,13	down
6600737	7092965	1110165	---	---	---	1,11	up
6600831	7031774	964727	---	---	---	1,14	down
6600916	7030233	961175	---	---	---	1,09	up
6601006	7350237	1745485	---	---	---	1,05	down
6601022	7288063	1591924	---	---	---	1,24	down
6601027	7232029	1452788	---	---	---	1,03	up
6601105	7384365	1830271	---	---	---	1,11	down
6601110	7087805	1097455	---	---	---	1,03	up
6601141	7068259	1051655	---	---	---	1,30	up
6601266	7073950	1065907	---	---	---	1,46	up
6601326	7117158	1170032	---	---	---	1,01	up
6601378	7279881	1572709	---	---	---	1,69	up
6601389	7293234	1604352	---	---	---	1,10	up
6601437	7363674	1778434	---	---	---	1,11	up
6601469	7198210	1370966	---	---	---	1,05	down
6601489	7320337	1673331	---	---	---	2,31	down
6601919	7032204	966152	---	---	---	1,00	down
6601985	7056333	1023685	---	---	---	1,17	up
6602020	7067670	1050311	---	---	---	1,51	up
6602249	7112672	1158995	---	---	---	1,10	down
6602252	7236254	1464068	---	---	---	1,12	up
6602333	7319259	1670389	---	---	---	2,05	down
6602442	7337845	1714336	---	---	---	1,35	up
6602445	7274780	1559251	---	---	---	1,11	down
6602521	7236962	1465627	---	---	---	2,11	up
6602581	7059766	1030974	---	---	---	1,58	up
6602643	7266778	1538857	---	---	---	2,02	up
6602673	7123421	1185828	---	---	---	1,10	down
6602845	7287222	1589744	---	---	---	1,54	down
6602893	7088164	1098492	---	---	---	1,14	down
6602936	7311218	1650363	---	---	---	1,13	down
6603057	7340757	1721890	---	---	---	1,13	up
6603205	7065357	1044741	---	---	---	1,38	down
6603225	7243363	1481627	---	---	---	1,50	down
6603333	7326612	1687188	---	---	---	1,04	up
6603373	7050557	1010790	---	---	---	1,21	up
6603519	7384365	1830274	---	---	---	1,17	down
6603635	7365183	1781900	---	---	---	1,63	up
6603713	7097454	1120881	---	---	---	1,05	up
6603784	7094139	1112912	---	---	---	1,25	up
6603811	7297154	1614216	---	---	---	1,15	down
6603934	7315206	1660018	---	---	---	2,44	up
6603939	7323083	1678852	---	---	---	1,23	down
6603952	7245874	1487596	---	---	---	1,39	down
6604074	7074132	1066312	---	---	---	1,39	up
6604192	7247229	1490548	---	---	---	1,10	down
6604200	7041609	989559	---	---	---	1,19	up
6604201	7360486	1771012	---	---	---	1,04	down

6604282	7248964	1494945	---	---	---	1,12	down
6604555	7186106	1340493	---	---	---	1,37	up
6604583	7146093	1240939	---	---	---	1,28	up
6604591	7301890	1626682	---	---	---	1,07	up
6604750	7236395	1464343	---	---	---	1,01	down
6604811	7363132	1776956	---	---	---	1,47	down
6604849	7059449	1030306	---	---	---	1,54	down
6604878	7031325	963574	---	---	---	1,11	up
6604883	7141421	1229477	---	---	---	1,65	up
6604891	7243253	1481223	---	---	---	1,41	up
6604925	7038969	982978	---	---	---	1,04	down
6604928	7249503	1496200	---	---	---	1,66	up
6604973	7072552	1062143	---	---	---	1,50	down
6604995	7211830	1402916	---	---	---	1,02	down
6605020	7360213	1770193	---	---	---	1,00	down
6605072	7341546	1723961	---	---	---	1,01	down
6605090	7298692	1618403	---	---	---	1,01	down
6605176	7343868	1729855	---	---	---	1,08	down
6605320	7092965	1110201	---	---	---	1,00	up
6605354	7059375	1030054	---	---	---	1,72	up
6605476	7218728	1419915	---	---	---	1,69	down
6605748	7303616	1631340	---	---	---	1,08	down
6605762	7177520	1318612	---	---	---	1,04	down
6605810	7264808	1534466	---	---	---	1,01	up
6605900	7059449	1030307	---	---	---	1,22	up
6605951	7240569	1475453	---	---	---	2,20	down
6606023	7350237	1745494	---	---	---	1,78	up
6606073	7156052	1265763	---	---	---	1,10	down
6606076	7350237	1745487	---	---	---	1,54	up
6606192	7156061	1265830	---	---	---	2,14	down
6606255	7156061	1265832	---	---	---	1,06	up
6606294	7047865	1005356	---	---	---	1,26	down
6606424	7144389	1236777	---	---	---	1,04	down
6606519	7235323	1461557	---	---	---	1,23	up
6606561	7039223	983557	---	---	---	1,38	down
6606624	7323522	1679840	---	---	---	1,27	down
6606711	7280743	1574533	---	---	---	1,89	up
6606718	7089381	1102067	---	---	---	1,24	down
6606728	7042382	991286	---	---	---	1,34	up
6606759	7314270	1657745	---	---	---	1,26	down
6606791	7092406	1108782	---	---	---	1,02	up
6606819	7240569	1475385	---	---	---	1,08	up
6606934	7384073	1829474	---	---	---	1,22	down
6606943	7099271	1125922	---	---	---	1,01	down
6606946	7168858	1296842	---	---	---	1,00	up
6607119	7383655	1828573	---	---	---	1,16	down
6607131	7111361	1155580	---	---	---	1,04	down
6607148	7339379	1718312	---	---	---	1,34	up
6607217	7147275	1243985	---	---	---	1,31	up
6607225	7076160	1070910	---	---	---	1,20	up
6607262	7311218	1650362	---	---	---	1,18	up
6607332	7196803	1367333	---	---	---	1,52	up
6607419	7239752	1473160	---	---	---	1,25	up
6607431	7117158	1170037	---	---	---	1,23	down
6607453	7155286	1263908	---	---	---	1,54	down
6607461	7238115	1468590	---	---	---	1,21	up

6607571	7132125	1206601	---	---	---	1,07	down
6607877	7102510	1133874	---	---	---	1,36	down
6607898	7122486	1183418	---	---	---	1,01	up
6608091	7335091	1707326	---	---	---	1,19	up
6608155	7059766	1030970	---	---	---	1,98	up
6608249	7149817	1250307	---	---	---	1,41	up
6608438	7113483	1161000	---	---	---	2,02	up
6608465	7095021	1115132	---	---	---	1,01	down
6608614	7069830	1055596	---	---	---	1,15	up
6608632	7364346	1779983	---	---	---	1,11	up
6608754	7207069	1392027	---	---	---	1,67	down
6608777	7182056	1330579	---	---	---	1,11	up
6608803	7034756	973211	---	---	---	1,14	down
6608935	7330737	1697222	---	---	---	1,19	down
6608947	7050557	1010796	---	---	---	1,02	down
6608952	7188909	1346797	---	---	---	1,27	up
6609169	7351949	1749804	---	---	---	1,49	down
6609193	7028624	957995	---	---	---	1,16	up
6609233	7322260	1677077	---	---	---	1,27	up
6609351	7027795	956274	---	---	---	1,19	down
6609397	7197056	1367848	---	---	---	1,04	down
6609427	7249503	1496238	---	---	---	1,26	down
6609448	7329135	1693489	---	---	---	2,66	down
6609457	7189689	1349043	---	---	---	1,12	up
6609598	7102708	1134318	---	---	---	2,17	up
6609618	7252382	1503510	---	---	---	1,19	up
6609765	7233440	1456825	---	---	---	1,08	up
6609853	7049399	1008396	---	---	---	1,10	up
6609860	7059766	1030972	---	---	---	1,15	up
6609927	7323545	1679978	---	---	---	1,91	up
6609936	7323545	1679980	---	---	---	1,06	down
6609944	7352100	1750209	---	---	---	1,40	down
6610035	7349804	1744567	---	---	---	1,02	down
6610053	7301140	1624593	---	---	---	1,18	down
6610096	7189689	1349058	---	---	---	1,12	up
6610115	7213908	1407732	---	---	---	1,05	up
6610239	7340304	1720865	---	---	---	2,29	down
6610261	7279533	1571917	---	---	---	1,52	up
6610270	7069253	1054164	---	---	---	1,11	up
6610311	7325674	1685230	---	---	---	1,15	up
6610497	7136062	1216276	---	---	---	1,60	up
6610514	7086751	1094622	---	---	---	1,03	down
6610577	7339379	1718361	---	---	---	1,23	down
6611039	7361042	1772279	---	---	---	2,51	up
6611127	7274780	1559234	---	---	---	1,22	up
6611265	7373417	1805104	---	---	---	1,25	up
6611373	7341002	1722533	---	---	---	1,39	up
6611628	7240665	1475814	---	---	---	1,00	up
6611723	7293402	1604805	---	---	---	1,04	down
6611731	7299512	1620555	---	---	---	1,05	down
6611786	7274780	1559256	---	---	---	1,33	down
6611837	7098126	1122976	---	---	---	2,78	up
6611890	7070836	1058340	---	---	---	1,05	up
6611965	7339732	1719210	---	---	---	1,27	up
6611974	7374362	1807632	---	---	---	1,04	up
6612042	7327169	1688457	---	---	---	1,91	up

6612080	7139708	1225051	---	---	---	1,73	down
6612089	7180943	1327442	---	---	---	1,01	up
6612105	7059020	1029338	---	---	---	1,19	up
6612265	7373906	1806371	---	---	---	1,25	up
6612396	7196187	1365952	---	---	---	1,38	up
6612448	7159027	1272740	---	---	---	1,57	down
6612517	7096859	1119332	---	---	---	1,53	down
6612549	7369712	1794833	---	---	---	1,43	up
6612585	7234434	1459443	---	---	---	1,52	up
6612588	7101258	1130571	---	---	---	1,03	down
6612610	7120235	1177959	---	---	---	1,06	down
6612611	7167876	1294068	---	---	---	1,98	down
6612666	7178060	1320163	---	---	---	1,53	down
6612877	7031774	964662	---	---	---	1,40	up
6612942	7099294	1126098	---	---	---	1,01	up
6612955	7049118	1007763	---	---	---	1,12	up
6613020	7293049	1603883	---	---	---	1,13	up
6613051	7052385	1014778	---	---	---	1,48	down
6613067	7281507	1576717	---	---	---	1,21	up
6613195	7233359	1456515	---	---	---	1,36	up
6613366	7181193	1328305	---	---	---	1,09	down
6613559	7359659	1768813	---	---	---	1,05	up
6613587	7052331	1014567	---	---	---	1,11	down
6613599	7189689	1349053	---	---	---	1,05	up
6613620	7236395	1464339	---	---	---	1,24	down
6613633	7099973	1127535	---	---	---	1,10	down
6613658	7330396	1696369	---	---	---	1,47	up
6613798	7247228	1490523	---	---	---	1,37	up
6613801	7258670	1519341	---	---	---	2,22	up
6613915	7069253	1054154	---	---	---	1,01	down
6614057	7067828	1050782	---	---	---	1,04	down
6614157	7065827	1045727	---	---	---	1,39	down
6614187	7307721	1641990	---	---	---	1,19	up
6614203	7115362	1165613	---	---	---	1,07	up
6614221	7259923	1522525	---	---	---	2,23	up
6614431	7088164	1098479	---	---	---	1,11	up
6614440	7051009	1011775	---	---	---	1,11	down
6614459	7318596	1668925	---	---	---	1,23	up
6614470	7088164	1098481	---	---	---	2,25	down
6614490	7285239	1585483	---	---	---	1,21	up
6614696	7065655	1045264	---	---	---	1,27	up
6614707	7273223	1555871	---	---	---	1,43	down
6614780	7228530	1443902	---	---	---	1,01	up
6614817	7113483	1161022	---	---	---	1,39	up
6614898	7266706	1538746	---	---	---	1,19	up
6614935	7059020	1029341	---	---	---	1,16	up
6614987	7112225	1157556	---	---	---	1,02	up
6614996	7157341	1269192	---	---	---	1,08	up
6615058	7287222	1589738	---	---	---	1,12	up
6615099	7033672	970362	---	---	---	1,07	up
6615130	7234195	1458976	---	---	---	1,13	up
6615162	7031576	964108	---	---	---	1,02	down
6615268	7232340	1453531	---	---	---	1,15	down
6615317	7041584	989465	---	---	---	1,28	up
6615318	7258670	1519343	---	---	---	1,21	up
6615393	7344406	1731204	---	---	---	1,05	down

6615589	7190534	1351229	---	---	---	1,76	down
6615706	7376820	1813423	---	---	---	1,31	up
6615732	7181105	1327967	---	---	---	1,38	down
6615756	7243130	1480941	---	---	---	1,07	up
6615920	7086044	1092951	---	---	---	2,12	down
6615929	7033672	970353	---	---	---	1,02	up
6616075	7067828	1050783	---	---	---	1,03	up
6616430	7055876	1022521	---	---	---	1,03	down
6616525	7339379	1718329	---	---	---	1,13	up
6616608	7269637	1546236	---	---	---	1,30	down
6616617	7291054	1599403	---	---	---	1,01	up
6616629	7243603	1482286	---	---	---	1,34	up
6616674	7319937	1672250	---	---	---	1,00	down
6616731	7096589	1118529	---	---	---	1,33	down
6616803	7303616	1631347	---	---	---	1,00	down
6616992	7038153	981156	---	---	---	1,40	down
6617054	7351951	1749819	---	---	---	1,55	down
6617065	7336250	1710153	---	---	---	1,34	up
6617111	7037495	979314	---	---	---	1,03	down
6617141	7364346	1779965	---	---	---	1,06	down
6617270	7349817	1744644	---	---	---	1,06	down
6617278	7248790	1494485	---	---	---	1,09	down
6617290	7192320	1356046	---	---	---	1,02	down
6617518	7237719	1467495	---	---	---	1,35	down
6617553	7384509	1830755	---	---	---	1,11	up
6617621	7233440	1456890	---	---	---	1,02	up
6617661	7236987	1465738	---	---	---	1,15	up
6617686	7340838	1722083	---	---	---	1,02	down
6617725	7302018	1626962	---	---	---	1,13	up
6617788	7339732	1719238	---	---	---	2,40	down
6617836	7230611	1448821	---	---	---	1,05	up
6617932	7193987	1360669	---	---	---	1,16	down
6618177	7207069	1392009	---	---	---	2,05	up
6618189	7078666	1076513	---	---	---	1,50	up
6618199	7274892	1559554	---	---	---	1,01	down
6618204	7031774	964690	---	---	---	1,02	up
6618237	7036559	977258	---	---	---	1,08	up
6618273	7142770	1232669	---	---	---	1,26	up
6618282	7147809	1245467	---	---	---	1,99	down
6618314	7240569	1475513	---	---	---	1,01	up
6618322	7340757	1721892	---	---	---	1,17	down
6618328	7170764	1301490	---	---	---	1,03	up
6618519	7103811	1137053	---	---	---	1,00	down
6618530	7070455	1057349	---	---	---	1,00	up
6618546	7132125	1206636	---	---	---	1,05	up
6618570	7320234	1673043	---	---	---	1,15	down
6618611	7099294	1126103	---	---	---	1,07	down
6618765	7080106	1079724	---	---	---	1,10	up
6618787	7065266	1044579	---	---	---	1,53	down
6618915	7358859	1766965	---	---	---	1,00	up
6618986	7251608	1501464	---	---	---	1,14	up
6619278	7314115	1657313	---	---	---	2,03	down
6619304	7082098	1084123	---	---	---	3,00	down
6619389	7280743	1574514	---	---	---	1,61	down
6619449	7236851	1465381	---	---	---	2,10	down
6619542	7248790	1494525	---	---	---	1,40	down

6619576	7054958	1020576	---	---	---	1,32	down
6619627	7146245	1241378	---	---	---	2,18	down
6619631	7286807	1588822	---	---	---	1,19	down
6619753	7276650	1564135	---	---	---	1,25	up
6619815	7093936	1112472	---	---	---	1,22	up
6619857	7365183	1781919	---	---	---	1,02	up
6619863	7339379	1718351	---	---	---	1,24	down
6619907	7167507	1293123	---	---	---	1,02	down
6619914	7363768	1778604	---	---	---	1,08	down
6620105	7156372	1266705	---	---	---	1,88	up
6620269	7373678	1805859	---	---	---	1,35	down
6620325	7235426	1461846	---	---	---	1,15	down
6620553	7301890	1626680	---	---	---	1,35	up
6620669	7248790	1494486	---	---	---	1,47	up
6620795	7175368	1313284	---	---	---	1,03	up
6620837	7370128	1796170	---	---	---	1,45	down
6620941	7082098	1084122	---	---	---	1,24	down
6621173	7265259	1535437	---	---	---	1,42	up
6621239	7353712	1753959	---	---	---	1,22	up
6621410	7115880	1166818	---	---	---	1,17	up
6621421	7098366	1123608	---	---	---	1,04	up
6621463	7098451	1123822	---	---	---	1,15	up
6621485	7374740	1808633	---	---	---	1,20	down
6621671	7174149	1310517	---	---	---	1,35	up
6621829	7132263	1206897	---	---	---	1,23	up
6621967	7211389	1402112	---	---	---	1,34	up
6622047	7350993	1747515	---	---	---	1,16	up
6622056	7143455	1234733	---	---	---	1,33	down
6622090	7310670	1648980	---	---	---	1,20	up
6622130	7343052	1727503	---	---	---	1,14	down
6622209	7240569	1475327	---	---	---	1,44	down
6622219	7197820	1370087	---	---	---	3,50	down
6622252	7179785	1324498	---	---	---	2,22	down
6622256	7049399	1008376	---	---	---	1,19	down
6622314	7025652	950220	---	---	---	1,20	up
6622319	7249503	1496209	---	---	---	1,05	up
6622569	7058713	1028667	---	---	---	1,13	down
6622587	7221552	1426615	---	---	---	1,31	down
6622682	7349946	1744951	---	---	---	1,04	up
6622755	7340838	1722071	---	---	---	1,21	down
6622756	7266778	1538854	---	---	---	1,42	up
6622800	7049399	1008418	---	---	---	1,18	down
6622884	7344530	1731567	---	---	---	1,66	up
6622976	7269314	1545608	---	---	---	1,43	up
6623029	7329075	1693377	---	---	---	1,74	down
6623107	7094158	1112974	---	---	---	2,03	down
6623140	7253408	1505934	---	---	---	1,09	down
6623183	7193056	1358269	---	---	---	1,23	down
6623272	7373633	1805697	---	---	---	1,23	down
6623346	7280743	1574540	---	---	---	1,66	up
6623432	7092549	1109143	---	---	---	2,88	down
6623484	7236254	1464050	---	---	---	1,01	up
6623515	7305174	1635451	---	---	---	4,82	down
6623575	7189689	1349048	---	---	---	1,08	up
6623580	7172066	1304744	---	---	---	1,02	down
6623650	7181016	1327792	---	---	---	1,04	up

6623689	7070616	1057785	---	---	---	1,12	up
6623832	7086664	1094271	---	---	---	1,07	down
6623853	7177520	1318614	---	---	---	1,21	down
6624109	7142416	1231792	---	---	---	1,09	up
6624123	7174114	1310420	---	---	---	1,63	up
6624131	7035344	974297	---	---	---	1,23	up
6624202	7039821	985071	---	---	---	1,79	down
6624229	7249737	1496747	---	---	---	1,20	up
6624248	7186688	1341845	---	---	---	1,30	up
6624255	7050655	1011011	---	---	---	2,13	down
6624313	7286807	1588816	---	---	---	1,11	down
6624338	7127540	1195277	---	---	---	2,40	up
6624444	7071969	1060895	---	---	---	1,10	down
6624541	7337845	1714352	---	---	---	1,11	down
6624560	7145669	1240016	---	---	---	1,11	down
6624701	7097454	1120875	---	---	---	1,47	up
6624717	7319937	1672277	---	---	---	1,11	up
6624774	7224182	1432763	---	---	---	1,25	down
6624807	7258670	1519355	---	---	---	1,09	down
6624965	7230886	1449579	---	---	---	1,03	down
6625148	7208330	1395089	---	---	---	1,99	down
6625202	7280743	1574513	---	---	---	2,23	up
6625263	7120827	1179353	---	---	---	1,04	down
6625311	7049399	1008330	---	---	---	1,04	up
6625312	7340304	1720852	---	---	---	1,06	down
6625336	7040260	986100	---	---	---	1,04	up
6625404	7147809	1245448	---	---	---	1,00	up
6625555	7218259	1418785	---	---	---	1,13	down
6625598	7333333	1703389	---	---	---	1,18	down
6625628	7027797	956280	---	---	---	1,08	up
6625720	7127257	1194809	---	---	---	1,06	down
6625731	7323545	1679970	---	---	---	1,16	down
6625805	7195903	1365330	---	---	---	1,10	down
6625883	7237719	1467507	---	---	---	1,18	up
6625896	7363674	1778435	---	---	---	1,06	down
6625903	7230886	1449522	---	---	---	1,17	up
6625948	7083030	1086272	---	---	---	1,03	down
6625966	7277783	1567470	---	---	---	1,03	down
6625968	7059449	1030305	---	---	---	1,59	up
6625991	7189669	1348993	---	---	---	1,11	up
6626067	7292517	1602547	---	---	---	1,09	down
6626152	7338807	1716833	---	---	---	1,05	up
6626262	7038610	982082	---	---	---	1,03	down
6626323	7275674	1561667	---	---	---	1,22	up
6626338	7351951	1749814	---	---	---	1,30	down
6626396	7267802	1541835	---	---	---	1,04	up
6626403	7033504	969851	---	---	---	1,13	up
6626494	7112225	1157609	---	---	---	1,01	up
6626569	7248790	1494501	---	---	---	1,06	up
6626646	7068086	1051205	---	---	---	1,56	down
6626673	7060851	1033359	---	---	---	1,06	down
6626713	7263401	1530956	---	---	---	1,01	up
6626725	7373038	1804293	---	---	---	1,11	down
6626749	7236358	1464245	---	---	---	1,91	down
6626778	7088164	1098492	---	---	---	1,51	up
6627216	7027795	956272	---	---	---	1,04	up

6627221	7243130	1480813	---	---	---	1,10	down
6627289	7193644	1359709	---	---	---	1,46	down
6627327	7312566	1653300	---	---	---	1,93	down
6627334	7338807	1716792	---	---	---	1,09	up
6627367	7267802	1541739	---	---	---	1,03	down
6627477	7355220	1758100	---	---	---	1,14	up
6627499	7240569	1475444	---	---	---	1,37	up
6627578	7038610	982090	---	---	---	1,34	down
6627587	7363674	1778431	---	---	---	1,04	up
6627634	7276650	1564132	---	---	---	1,53	down
6627639	7050167	1009822	---	---	---	1,16	up
6627802	7088625	1099863	---	---	---	1,23	down
6627892	7361420	1773046	---	---	---	1,11	down
6627924	7293454	1604950	---	---	---	1,04	down
6627950	7084993	1090675	---	---	---	1,18	up
6628147	7033337	969486	---	---	---	1,11	down
6628222	7351951	1749841	---	---	---	1,21	down
6628267	7156052	1265768	---	---	---	1,12	down
6628316	7217747	1417464	---	---	---	1,33	down
6628439	7349946	1744952	---	---	---	1,12	down
6628451	7156061	1265821	---	---	---	1,17	up
6628492	7232340	1453523	---	---	---	1,39	down
6628494	7038153	981152	---	---	---	1,39	down
6628511	7351951	1749827	---	---	---	1,05	up
6628544	7373678	1805853	---	---	---	1,41	down
6628567	7337845	1714331	---	---	---	1,12	down
6628626	7192914	1357822	---	---	---	2,30	up
6628692	7033672	970368	---	---	---	1,16	up
6628776	7192696	1357181	---	---	---	1,05	down
6628799	7243363	1481594	---	---	---	1,05	up
6628807	7351953	1749862	---	---	---	1,26	down
6628862	7112225	1157541	---	---	---	1,00	up
6628901	7059766	1030980	---	---	---	1,44	up
6628923	7254040	1507598	---	---	---	1,04	down
6628941	7210387	1400046	---	---	---	1,19	up
6628973	7099973	1127535	---	---	---	1,65	down
6629020	7151063	1253070	---	---	---	1,74	up
6629149	7344406	1731247	---	---	---	1,05	down
6629258	7197820	1370098	---	---	---	1,19	down
6629263	7321204	1675172	---	---	---	1,09	down
6629292	7082098	1084124	---	---	---	1,06	up
6629315	7089762	1102987	---	---	---	1,25	down
6629335	7341002	1722547	---	---	---	1,29	up
6629481	7247848	1492069	---	---	---	1,24	down
6629492	7132024	1206338	---	---	---	1,36	up
6629498	7243647	1482421	---	---	---	1,86	down
6629518	7245695	1487061	---	---	---	1,25	down
6629543	7197820	1370099	---	---	---	1,43	down
6629761	7361223	1772621	---	---	---	1,22	down
6629845	7084193	1089095	---	---	---	1,35	up
6629897	7171047	1302370	---	---	---	1,17	down
6629931	7328833	1692798	---	---	---	1,01	up
6629974	7236987	1465728	---	---	---	1,06	down
6630012	7330737	1697222	---	---	---	1,34	up
6630026	7320337	1673317	---	---	---	1,09	down
6630042	7147809	1245472	---	---	---	1,32	down

6630058	7080106	1079725	---	---	---	1,11	up
6630110	7261766	1527154	---	---	---	2,14	down
6630154	7206133	1389962	---	---	---	1,13	down
6630208	7373417	1805096	---	---	---	1,12	up
6630218	7050557	1010796	---	---	---	1,47	up
6630278	7112268	1157751	---	---	---	1,14	up
6630313	7136977	1218856	---	---	---	1,00	up
6630314	7119930	1177216	---	---	---	1,18	up
6630335	7109373	1150977	---	---	---	1,24	up
6630360	7322388	1677326	---	---	---	1,33	up
6630397	7253408	1505946	---	---	---	1,13	down
6630489	7078666	1076522	---	---	---	1,10	up
6630575	7031576	964110	---	---	---	1,21	down
6630629	7088625	1099877	---	---	---	1,29	up
6630687	7149817	1250309	---	---	---	1,13	down
6630701	7315206	1660018	---	---	---	1,04	up
6630817	7083030	1086246	---	---	---	1,01	up
6630833	7238115	1468635	---	---	---	1,11	up
6630905	7240232	1474408	---	---	---	1,90	down
6630915	7231203	1450394	---	---	---	1,01	down
6631054	7340838	1722085	---	---	---	1,11	down
6631280	7368002	1789317	---	---	---	1,08	up
6631447	7338807	1716788	---	---	---	2,26	up
6631454	7038316	981455	---	---	---	2,79	up
6631509	7331719	1699920	---	---	---	1,01	down
6631529	7363674	1778433	---	---	---	1,13	up
6631545	7263152	1530385	---	---	---	1,15	down
6631589	7231203	1450439	---	---	---	1,69	down
6631656	7063873	1040651	---	---	---	1,87	down
6631819	7036412	976867	---	---	---	1,12	up
6631847	7073950	1065926	---	---	---	1,05	down
6631848	7058713	1028665	---	---	---	1,51	up
6631892	7281923	1577692	---	---	---	1,04	up
6631972	7332059	1700724	---	---	---	1,01	up
6631986	7253408	1505950	---	---	---	1,10	up
6632015	7068073	1051176	---	---	---	2,48	up
6632040	7259923	1522528	---	---	---	1,00	down
6632088	7376820	1813411	---	---	---	1,60	down
6632114	7293234	1604359	---	---	---	1,06	down
6632228	7161841	1279878	---	---	---	1,31	down
6632232	7330078	1695461	---	---	---	1,98	up
6632349	7319144	1670085	---	---	---	1,15	up
6632355	7065265	1044568	---	---	---	1,17	up
6632369	7200545	1376931	---	---	---	1,26	up
6632381	7165954	1288769	---	---	---	2,51	down
6632614	7043535	994104	---	---	---	1,14	up
6632618	7181442	1328885	---	---	---	2,68	down
6632716	7255120	1510370	---	---	---	1,27	up
6632764	7025652	950325	---	---	---	1,37	up
6632900	7025652	950289	---	---	---	1,00	up
6633090	7105814	1141784	---	---	---	1,20	up
6633224	7121866	1181882	---	---	---	1,39	up
6633247	7289382	1595199	---	---	---	1,21	up
6633251	7254053	1507648	---	---	---	1,05	down
6633303	7087282	1096217	---	---	---	1,09	up
6633342	7330078	1695470	---	---	---	1,03	up

6633428	7245921	1487711	---	---	---	1,06	down
6633724	7363674	1778420	---	---	---	1,18	up
6633799	7277783	1567438	---	---	---	2,31	down
6633810	7249503	1496210	---	---	---	1,03	down
6633852	7060851	1033388	---	---	---	1,09	up
6634096	7380497	1821822	---	---	---	1,66	down
6634151	7211343	1401971	---	---	---	2,11	down
6634258	7342959	1727343	---	---	---	1,33	up
6634278	7189689	1349048	---	---	---	2,04	down
6634313	7323545	1679960	---	---	---	1,12	up
6634331	7271213	1550651	---	---	---	1,27	up
6634335	7236395	1464315	---	---	---	1,31	up
6634366	7213945	1407833	---	---	---	1,26	down
6634378	7361223	1772619	---	---	---	1,13	up
6634381	7113483	1161000	---	---	---	1,18	up
6634446	7060851	1033403	---	---	---	1,03	down
6634508	7189689	1349054	---	---	---	1,31	down
6634822	7189689	1349046	---	---	---	1,29	up
6634872	7192320	1356020	---	---	---	1,15	up
6635025	7179785	1324499	---	---	---	1,37	down
6635028	7039223	983570	---	---	---	2,35	down
6635043	7316644	1664035	---	---	---	1,06	up
6635225	7088625	1099877	---	---	---	1,41	up
6635329	7192320	1356020	---	---	---	1,43	down
6635430	7271213	1550647	---	---	---	1,32	down
6635473	7096859	1119322	---	---	---	1,11	down
6635495	7181193	1328303	---	---	---	1,12	up
6635547	7217143	1415596	---	---	---	1,02	down
6635554	7286807	1588800	---	---	---	1,36	up
6635665	7174281	1310846	---	---	---	1,26	down
6635704	7213679	1407143	---	---	---	1,34	down
6635723	7189184	1347569	---	---	---	1,17	down
6635815	7301890	1626689	---	---	---	1,10	down
6635940	7226241	1437774	---	---	---	1,02	up
6635981	7112225	1157558	---	---	---	1,13	down
6636003	7059449	1030297	---	---	---	1,68	down
6636038	7188138	1345067	---	---	---	1,82	down
6636087	7302786	1628860	---	---	---	1,14	down
6636104	7234040	1458493	---	---	---	2,04	up
6636264	7080106	1079738	---	---	---	1,04	up
6636317	7313411	1655444	---	---	---	1,04	down
6636346	7108551	1148690	---	---	---	1,16	down
6636349	7099573	1126734	---	---	---	1,43	up
6636492	7378997	1818667	---	---	---	1,43	up
6636579	7380497	1821833	---	---	---	1,17	down
6636868	7247229	1490541	---	---	---	1,04	down
6636869	7297589	1615658	---	---	---	1,00	up
6636953	7239939	1473795	---	---	---	1,35	up
6637151	7115708	1166476	---	---	---	1,34	up
6637385	7243603	1482270	---	---	---	1,05	down
6637617	7339379	1718361	---	---	---	2,09	down
6637638	7139708	1225055	---	---	---	1,12	up
6637639	7274892	1559573	---	---	---	1,27	down
6637663	7297589	1615684	---	---	---	1,01	up
6637852	7339379	1718324	---	---	---	1,04	up
6637891	7181169	1328091	---	---	---	1,02	up

6637914	7153571	1259033	---	---	---	1,25	up
6637969	7299512	1620548	---	---	---	1,09	down
6638047	7067556	1050037	---	---	---	1,27	up
6638052	7338807	1716807	---	---	---	1,06	down
6638126	7050930	1011609	---	---	---	1,15	up
6638137	7203872	1384773	---	---	---	1,02	down
6638279	7356333	1760489	---	---	---	1,06	down
6638288	7350993	1747532	---	---	---	1,50	down
6638333	7213945	1407838	---	---	---	1,73	down
6638437	7261019	1525253	---	---	---	2,46	down
6638468	7236395	1464340	---	---	---	1,03	down
6638496	7070616	1057797	---	---	---	1,15	up
6638513	7181442	1328882	---	---	---	1,05	up
6638628	7213908	1407691	---	---	---	1,10	down
6638685	7344702	1732140	---	---	---	1,33	down
6638763	7111361	1155580	---	---	---	2,12	up
6638774	7139026	1223501	---	---	---	1,10	down
6638831	7358859	1766981	---	---	---	1,34	down
6638834	7190534	1351240	---	---	---	1,58	down
6638900	7343868	1729856	---	---	---	1,03	up
6638936	7341397	1723623	---	---	---	1,14	down
6639021	7147809	1245458	---	---	---	1,43	up
6639080	7141421	1229478	---	---	---	1,08	down
6639103	7239752	1473162	---	---	---	1,90	down
6639155	7058713	1028659	---	---	---	1,32	down
6639179	7182713	1332539	---	---	---	1,07	down
6639485	7189689	1349049	---	---	---	1,01	up
6639540	7320337	1673315	---	---	---	1,18	down
6639553	7096859	1119300	---	---	---	1,24	up
6639647	7034293	971915	---	---	---	1,25	up
6639674	7075424	1069287	---	---	---	1,14	down
6639709	7092549	1109147	---	---	---	1,53	up
6639811	7132487	1207322	---	---	---	1,70	up
6640000	7025652	950258	---	---	---	1,02	up
6640033	7092406	1108784	---	---	---	1,41	down
6640046	7193056	1358277	---	---	---	1,16	up
6640060	7069253	1054161	---	---	---	1,23	down
6640070	7089381	1102066	---	---	---	2,00	down
6640150	7356027	1759985	---	---	---	1,90	up
6640159	7132024	1206339	---	---	---	1,09	up
6640166	7237438	1466795	---	---	---	1,03	up
6640237	7311218	1650348	---	---	---	1,19	up
6640340	7065265	1044574	---	---	---	1,01	down
6640369	7034603	972862	---	---	---	1,18	down
6640401	7279586	1572075	---	---	---	1,20	up
6640475	7310158	1647841	---	---	---	1,11	up
6640493	7188681	1346297	---	---	---	1,12	up
6640560	7333462	1703648	---	---	---	1,12	down
6640603	7238202	1468944	---	---	---	1,23	up
6640626	7098411	1123700	---	---	---	1,05	up
6640643	7357103	1762386	---	---	---	2,32	up
6640985	7190844	1352141	---	---	---	1,05	down
6641077	7041609	989550	---	---	---	2,11	up
6641123	7350993	1747541	---	---	---	1,04	down
6641153	7139026	1223492	---	---	---	1,11	down
6641165	7033504	969864	---	---	---	1,65	up

6641207	7319937	1672251	---	---	---	1,00	up
6641240	7253408	1505937	---	---	---	1,09	up
6641259	7029386	959410	---	---	---	1,22	down
6641291	7088489	1099517	---	---	---	1,33	up
6641352	7056304	1023628	---	---	---	1,20	down
6641408	7236395	1464321	---	---	---	1,22	up
6641565	7239752	1473188	---	---	---	1,01	up
6641585	7263152	1530365	---	---	---	1,40	down
6641657	7280743	1574567	---	---	---	1,21	up
6641674	7266532	1538309	---	---	---	1,15	up
6641722	7189689	1349032	---	---	---	1,72	up
6641784	7132125	1206615	---	---	---	1,11	down
6641847	7069239	1054081	---	---	---	2,17	down
6641861	7380452	1821701	---	---	---	1,27	down
6641907	7338807	1716780	---	---	---	1,75	up
6641946	7356027	1759985	---	---	---	1,06	up
6641983	7060851	1033424	---	---	---	1,21	down
6642031	7146093	1240913	---	---	---	1,03	up
6642060	7092965	1110205	---	---	---	1,37	down
6642159	7339379	1718341	---	---	---	1,37	up
6642184	7281923	1577695	---	---	---	1,48	up
6642202	7319937	1672305	---	---	---	1,99	up
6642450	7075533	1069573	---	---	---	1,08	up
6642630	7373732	1805973	---	---	---	1,09	down
6642909	7356027	1759985	---	---	---	1,05	up
6642912	7244378	1484406	---	---	---	1,31	up
6643018	7315206	1660034	---	---	---	1,27	up
6643033	7140113	1226054	---	---	---	1,17	down
6643072	7072765	1062738	---	---	---	1,53	up
6643074	7243647	1482457	---	---	---	1,21	down
6643165	7244288	1484094	---	---	---	1,92	down
6643212	7279568	1572025	---	---	---	1,04	up
6643236	7380497	1821853	---	---	---	1,81	down
6643250	7184981	1337855	---	---	---	1,10	down
6643364	7265989	1537091	---	---	---	1,49	down
6643372	7340990	1722509	---	---	---	1,06	up
6643387	7236358	1464222	---	---	---	1,14	up
6643428	7191594	1354232	---	---	---	1,61	up
6643487	7314270	1657754	---	---	---	2,17	up
6643546	7273744	1557005	---	---	---	2,14	up
6643610	7293757	1605684	---	---	---	1,31	up
6643623	7111244	1155384	---	---	---	1,05	down
6643644	7095262	1115635	---	---	---	1,06	down
6643697	7350237	1745476	---	---	---	1,21	down
6643712	7376566	1812885	---	---	---	1,57	down
6643768	7154616	1262188	---	---	---	1,22	up
6643776	7188909	1346807	---	---	---	1,01	up
6643803	7061367	1034826	---	---	---	1,09	up
6643832	7178972	1322332	---	---	---	1,01	up
6643857	7358048	1764800	---	---	---	1,03	up
6643906	7148271	1246649	---	---	---	1,25	down
6644173	7112225	1157622	---	---	---	1,16	down
6644373	7240665	1475841	---	---	---	1,58	up
6644381	7345851	1734746	---	---	---	1,30	up
6644534	7235426	1461849	---	---	---	2,48	up
6644579	7243647	1482441	---	---	---	1,03	down

6644609	7146982	1243289	---	---	---	1,36	down
6644644	7169732	1298758	---	---	---	1,10	down
6644687	7112225	1157526	---	---	---	1,08	up
6644833	7101258	1130566	---	---	---	1,38	down
6645113	7319937	1672268	---	---	---	1,21	down
6645134	7154655	1262332	---	---	---	1,48	up
6645155	7303616	1631326	---	---	---	1,08	up
6645171	7084993	1090667	---	---	---	1,35	up
6645175	7064134	1041414	---	---	---	1,40	down
6645194	7042382	991288	---	---	---	2,45	up
6645209	7237438	1466794	---	---	---	1,31	down
6645387	7059766	1030972	---	---	---	1,67	up
6645597	7295410	1609794	---	---	---	1,02	down
6645651	7243603	1482259	---	---	---	1,11	down
6645663	7331413	1699137	---	---	---	1,06	down
6645712	7197820	1370097	---	---	---	1,56	down
6645853	7093806	1112161	---	---	---	2,08	down
6645878	7299512	1620550	---	---	---	1,54	down
6645909	7247954	1492358	---	---	---	1,14	down
6645927	7264808	1534469	---	---	---	2,17	down
6645931	7174149	1310486	---	---	---	2,01	down
6645996	7321029	1674817	---	---	---	1,15	down
6646003	7176456	1315828	---	---	---	1,03	up
6646031	7172988	1307324	---	---	---	1,14	down
6646087	7287337	1589971	---	---	---	1,20	up
6646106	7084999	1090710	---	---	---	2,12	up
6646117	7235521	1462162	---	---	---	1,51	up
6646204	7068259	1051641	---	---	---	1,26	up
6646224	7169732	1298781	---	---	---	1,26	up
6646273	7340838	1722065	---	---	---	1,24	up
6646278	7188685	1346304	---	---	---	1,11	down
6646281	7181193	1328296	---	---	---	1,07	up
6646342	7212718	1404938	---	---	---	1,11	down
6646447	7276231	1563110	---	---	---	1,10	down
6646522	7087282	1096240	---	---	---	1,10	down
6646566	7059716	1030833	---	---	---	1,41	down
6646576	7041609	989577	---	---	---	1,17	down
6646615	7028624	958004	---	---	---	1,05	up
6646660	7200996	1378159	---	---	---	2,03	up
6646668	7028624	957997	---	---	---	1,08	down
6646716	7318143	1668091	---	---	---	1,05	down
6646810	7065266	1044590	---	---	---	1,17	down
6646812	7202550	1381614	---	---	---	1,20	down
6646823	7373678	1805869	---	---	---	2,64	up
6646855	7370001	1795759	---	---	---	1,04	up
6646909	7038316	981462	---	---	---	1,07	down
6646959	7349882	1744786	---	---	---	1,12	up
6647001	7149008	1248600	---	---	---	1,49	down
6647035	7316644	1664001	---	---	---	1,18	up
6647042	7174149	1310506	---	---	---	1,00	up
6647113	7073854	1065628	---	---	---	1,36	up
6647267	7152889	1257332	---	---	---	1,25	up
6647276	7339387	1718397	---	---	---	1,98	down
6647279	7320337	1673326	---	---	---	1,00	up
6647312	7355804	1759435	---	---	---	1,30	up
6647438	7371643	1800647	---	---	---	1,19	up

6647497	7301616	1625899	---	---	---	1,16	up
6647589	7356115	1760121	---	---	---	1,09	up
6647640	7112225	1157603	---	---	---	1,21	down
6647692	7119930	1177215	---	---	---	1,35	up
6647777	7131103	1204356	---	---	---	1,09	up
6647800	7340757	1721894	---	---	---	1,05	up
6647932	7198210	1370986	---	---	---	1,24	up
6647976	7030233	961170	---	---	---	1,01	up
6648054	7312566	1653322	---	---	---	1,91	down
6648130	7338807	1716808	---	---	---	1,19	up
6648172	7119556	1176076	---	---	---	1,02	down
6648263	7316589	1663876	---	---	---	2,19	down
6648269	7059020	1029355	---	---	---	1,09	up
6648335	7233440	1456919	---	---	---	1,02	up
6648369	7266706	1538753	---	---	---	1,19	up
6648437	7075445	1069350	---	---	---	1,05	up
6648494	7364995	1781303	---	---	---	1,18	up
6648518	7142081	1230969	---	---	---	1,24	down
6648531	7328920	1693018	---	---	---	1,22	down
6648603	7233440	1456885	---	---	---	1,81	down
6648655	7315206	1660016	---	---	---	1,62	down
6648768	7238115	1468585	---	---	---	1,10	up
6648831	7148978	1248478	---	---	---	1,37	down
6648845	7034293	971947	---	---	---	1,90	up
6648884	7150497	1251792	---	---	---	1,16	up
6648905	7072225	1061405	---	---	---	2,06	down
6648920	7109373	1150982	---	---	---	1,06	up
6649115	7274931	1559717	---	---	---	1,16	up
6649117	7039463	984254	---	---	---	2,25	down
6649135	7233923	1458163	---	---	---	1,13	up
6649158	7142416	1231785	---	---	---	1,20	up
6649171	7033337	969488	---	---	---	1,09	up
6649223	7062173	1036985	---	---	---	1,03	down
6649321	7061367	1034837	---	---	---	1,20	up
6649354	7293646	1605410	---	---	---	1,22	up
6649519	7313905	1656848	---	---	---	4,25	down
6649719	7217679	1417321	---	---	---	1,02	up
6649721	7170845	1301860	---	---	---	1,10	up
6649727	7374842	1808971	---	---	---	1,06	up
6649740	7087282	1096160	---	---	---	1,56	up
6649919	7024628	947422	---	---	---	1,73	down
6650323	7068259	1051593	---	---	---	1,52	up
6650384	7034293	971996	---	---	---	1,33	down
6650443	7316644	1664008	---	---	---	1,19	down
6650449	7365183	1781920	---	---	---	1,07	up
6650470	7196803	1367339	---	---	---	1,07	down
6650518	7247229	1490536	---	---	---	1,14	down
6650699	7243130	1480929	---	---	---	1,18	up
6650716	7038530	981881	---	---	---	1,03	up
6650765	7147809	1245462	---	---	---	1,13	up
6650838	7113483	1161017	---	---	---	1,06	up
6650868	7331297	1698825	---	---	---	1,16	down
6650941	7243130	1480876	---	---	---	1,03	down
6650945	7274780	1559227	---	---	---	1,06	down
6651005	7060851	1033425	---	---	---	1,15	down
6651335	7303616	1631338	---	---	---	1,09	up

6651354	7243603	1482262	---	---	---	1,06	down
6651411	7374842	1808973	---	---	---	1,39	down
6651457	7257963	1517683	---	---	---	1,09	down
6651534	7142081	1230977	---	---	---	1,08	down
6651584	7131550	1205553	---	---	---	1,12	up
6651589	7280743	1574570	---	---	---	1,55	down
6651760	7303722	1631719	---	---	---	1,14	down
6651773	7065265	1044567	---	---	---	1,01	down
6651911	7299785	1621352	---	---	---	1,07	down
6651914	7162177	1280582	---	---	---	1,60	up
6651975	7330238	1695927	---	---	---	1,13	down
6652020	7213908	1407665	---	---	---	1,31	down
6652091	7341253	1723252	---	---	---	1,35	down
6652100	7095956	1117042	---	---	---	1,54	up
6652105	7230611	1448804	---	---	---	1,82	down
6652447	7240569	1475464	---	---	---	1,06	up
6652448	7156052	1265761	---	---	---	1,17	up
6652499	7151063	1253063	---	---	---	2,09	up
6652548	7297589	1615654	---	---	---	1,07	down
6652690	7188822	1346630	---	---	---	1,28	down
6652717	7099573	1126706	---	---	---	1,05	down
6652757	7040260	986054	---	---	---	1,12	down
6652824	7096898	1119519	---	---	---	1,29	down
6652932	7368729	1792054	---	---	---	1,17	down
6652941	7065266	1044586	---	---	---	1,36	down
6652999	7064468	1042371	---	---	---	1,26	up
6653118	7053874	1018323	---	---	---	1,00	down
6653190	7043379	993653	---	---	---	1,38	up
6653193	7290793	1598637	---	---	---	1,49	up
6653221	7266532	1538304	---	---	---	1,02	down
6653272	7290585	1598185	---	---	---	1,01	up
6653343	7240665	1475815	---	---	---	1,04	up
6653350	7038530	981888	---	---	---	1,06	up
6653393	7234195	1458978	---	---	---	1,32	up
6653402	7180620	1326390	---	---	---	1,11	up
6653440	7308679	1644242	---	---	---	1,40	up
6653469	7323545	1679935	---	---	---	1,32	up
6653470	7165954	1288770	---	---	---	1,28	up
6653637	7083030	1086262	---	---	---	1,71	down
6653659	7248790	1494523	---	---	---	1,55	up
6653700	7247848	1492064	---	---	---	1,34	up
6653702	7331719	1699922	---	---	---	1,22	down
6653788	7101258	1130572	---	---	---	1,05	down
6653805	7374740	1808628	---	---	---	1,23	up
6654018	7364346	1779996	---	---	---	1,72	down
6654115	7339379	1718323	---	---	---	1,03	down
6654118	7333462	1703644	---	---	---	1,12	down
6654195	7268457	1543637	---	---	---	2,53	down
6654210	7330238	1695957	---	---	---	1,24	down
6654219	7065265	1044574	---	---	---	1,09	up
6654254	7243603	1482285	---	---	---	1,25	down
6654261	7067670	1050325	---	---	---	1,58	up
6654314	7233298	1456272	---	---	---	1,16	down
6654394	7341002	1722534	---	---	---	1,32	up
6654460	7315571	1661010	---	---	---	1,87	up
6654535	7174149	1310503	---	---	---	1,00	up

6654638	7254088	1507737	---	---	---	1,06	up
6654645	7369712	1794855	---	---	---	2,21	up
6654706	7373038	1804279	---	---	---	1,21	down
6654783	7279533	1571916	---	---	---	1,25	down
6654911	7297589	1615680	---	---	---	1,10	down
6654915	7050726	1011255	---	---	---	1,14	down
6654923	7156114	1266045	---	---	---	1,12	up
6654940	7325416	1684600	---	---	---	1,14	down
6655008	7248790	1494514	---	---	---	1,32	up
6655084	7369781	1795034	---	---	---	1,26	down
6655371	7358048	1764821	---	---	---	1,18	up
6655393	7203872	1384758	---	---	---	1,20	up
6655483	7166497	1290356	---	---	---	1,12	down
6655495	7092549	1109193	---	---	---	1,25	up
6655514	7236254	1464068	---	---	---	1,14	down
6655536	7337845	1714352	---	---	---	1,01	down
6655590	7233425	1456756	---	---	---	1,12	up
6655593	7249737	1496752	---	---	---	1,84	down
6655648	7034756	973234	---	---	---	1,60	up
6655714	7209927	1398918	---	---	---	1,13	up
6655744	7311218	1650357	---	---	---	1,09	up
6655772	7039223	983576	---	---	---	1,72	down
6655800	7240569	1475493	---	---	---	1,34	up
6655867	7254053	1507653	---	---	---	1,09	up
6655882	7031774	964767	---	---	---	1,05	down
6655913	7177520	1318641	---	---	---	1,21	up
6655941	7331434	1699201	---	---	---	1,04	up
6656012	7221817	1427151	---	---	---	3,79	down
6656128	7052385	1014779	---	---	---	1,41	down
6656141	7196029	1365618	---	---	---	1,14	up
6656320	7361223	1772619	---	---	---	1,02	up
6656370	7350993	1747519	---	---	---	1,08	down
6656562	7349882	1744785	---	---	---	1,02	down
6656607	7155286	1263861	---	---	---	1,04	down
6656722	7255120	1510375	---	---	---	1,21	up
6656738	7086966	1095269	---	---	---	1,01	up
6656747	7170764	1301426	---	---	---	1,35	down
6656783	7037764	980092	---	---	---	1,16	down
6656870	7249503	1496201	---	---	---	1,65	up
6656910	7097525	1121049	---	---	---	1,30	up
6656914	7336835	1711593	---	---	---	1,07	up
6656972	7274780	1559236	---	---	---	1,93	up
6657085	7303616	1631328	---	---	---	1,16	down
6657159	7226241	1437800	---	---	---	1,37	down
6657210	7084993	1090691	---	---	---	1,06	up
6657236	7056304	1023547	---	---	---	1,06	up
6657267	7080106	1079726	---	---	---	1,21	up
6657281	7337224	1712615	---	---	---	1,10	down
6657285	7031576	964110	---	---	---	1,30	up
6657331	7098366	1123621	---	---	---	1,06	down
6657390	7033504	969858	---	---	---	1,08	up
6657541	7075424	1069286	---	---	---	1,01	up
6657554	7311218	1650362	---	---	---	1,11	down
6657611	7192914	1357831	---	---	---	1,05	down
6657621	7265259	1535452	---	---	---	1,04	up
6657653	7265952	1536978	---	---	---	1,69	up

6657830	7184981	1337835	---	---	---	1,10	up
6657941	7231835	1452277	---	---	---	1,10	up
6657958	7373678	1805865	---	---	---	1,65	up
6658020	7037764	980056	---	---	---	1,06	down
6658106	7087965	1098057	---	---	---	1,07	up
6658227	7122131	1182671	---	---	---	1,04	up
6658272	7112562	1158608	---	---	---	1,58	down
6658291	7233012	1455408	---	---	---	1,46	down
6658362	7083031	1086286	---	---	---	1,02	up
6658409	7099156	1125640	---	---	---	1,03	down
6658416	7322260	1677067	---	---	---	3,47	down
6658418	7112225	1157613	---	---	---	1,00	up
6658442	7116103	1167599	---	---	---	7,34	down
6658489	7240569	1475464	---	---	---	1,19	up
6658613	7243653	1482536	---	---	---	1,03	down
6658640	7235521	1462142	---	---	---	1,36	up
6658860	7093806	1112162	---	---	---	3,68	down
6658932	7331413	1699137	---	---	---	1,00	up
6658979	7384365	1830270	---	---	---	1,79	up
6659050	7286807	1588826	---	---	---	1,10	down
6659150	7235521	1462148	---	---	---	1,15	up
6659188	7308679	1644251	---	---	---	1,18	up
6659402	7236358	1464260	---	---	---	1,04	up
6659474	7078198	1075601	---	---	---	1,16	down
6659558	7340057	1720334	---	---	---	1,13	down
6659771	7091954	1107727	---	---	---	1,14	down
6659994	7071969	1060899	---	---	---	1,21	up
6659996	7323545	1679953	---	---	---	2,57	down
6660011	7368613	1791622	---	---	---	1,11	down
6660132	7156372	1266710	---	---	---	1,02	down
6660188	7363765	1778586	---	---	---	1,03	up
6660228	7256191	1512885	---	---	---	1,06	up
6660273	7112225	1157562	---	---	---	1,12	down
6660292	7235069	1460985	---	---	---	1,12	up
6660302	7209927	1398947	---	---	---	1,60	up
6660404	7086966	1095270	---	---	---	1,17	up
6660408	7297154	1614260	---	---	---	1,16	down
6660464	7038530	981869	---	---	---	1,11	down
6660702	7303616	1631308	---	---	---	1,29	down
6660765	7064224	1041805	---	---	---	1,04	down
6660838	7337224	1712616	---	---	---	1,05	up
6660893	7345465	1733850	---	---	---	1,47	down
6661165	7349643	1744192	---	---	---	1,05	down
6661168	7267802	1541743	---	---	---	1,57	up
6661194	7343122	1727736	---	---	---	1,45	up
6661231	7131764	1205858	---	---	---	1,48	down
6661266	7276650	1564111	---	---	---	1,02	up
6661372	7214605	1409364	---	---	---	1,12	up
6661379	7166497	1290371	---	---	---	1,22	up
6661447	7229886	1447171	---	---	---	1,04	down
6661484	7115146	1164936	---	---	---	1,09	up
6661487	7156052	1265775	---	---	---	1,04	down
6661495	7238845	1470567	---	---	---	1,64	up
6661629	7084993	1090667	---	---	---	1,25	up
6662091	7303616	1631373	---	---	---	1,10	down
6662185	7234008	1458368	---	---	---	1,34	down

6662316	7351953	1749880	---	---	---	2,68	down
6662350	7067670	1050323	---	---	---	1,78	up
6662455	7345465	1733858	---	---	---	1,29	up
6662496	7112566	1158625	---	---	---	1,23	up
6662540	7228520	1443769	---	---	---	1,39	down
6662666	7171034	1302286	---	---	---	1,09	down
6662818	7341253	1723311	---	---	---	1,17	down
6662864	7264274	1533174	---	---	---	1,09	down
6662878	7249503	1496179	---	---	---	1,10	down
6662916	7043452	993835	---	---	---	1,79	up
6662969	7350237	1745496	---	---	---	1,43	up
6662971	7258670	1519336	---	---	---	1,17	down
6663004	7142853	1232905	---	---	---	1,08	up
6663037	7038610	982075	---	---	---	1,88	down
6663099	7357890	1764385	---	---	---	1,55	down
6663347	7203872	1384766	---	---	---	1,13	down
6663402	7189689	1349039	---	---	---	1,06	up
6663432	7123357	1185595	---	---	---	1,01	down
6663502	7247848	1492069	---	---	---	1,01	down
6663597	7067556	1050034	---	---	---	1,01	up
6663750	7356333	1760482	---	---	---	1,22	up
6663783	7261592	1526857	---	---	---	1,47	up
6663792	7240569	1475312	---	---	---	1,36	up
6664038	7252382	1503507	---	---	---	1,68	up
6664410	7068942	1053389	---	---	---	1,02	down
6664527	7180620	1326382	---	---	---	1,47	down
6664601	7321204	1675179	---	---	---	1,13	up
6664855	7253408	1505955	---	---	---	1,09	down
6664886	7049399	1008331	---	---	---	1,32	down
6665013	7207069	1392030	---	---	---	1,08	up
6665193	7092965	1110160	---	---	---	1,01	down
6665199	7104977	1140170	---	---	---	1,23	down
6665298	7197056	1367841	---	---	---	1,06	up
6665357	7274780	1559199	---	---	---	1,27	up
6665471	7240206	1474349	---	---	---	1,12	down
6665573	7266706	1538743	---	---	---	1,58	down
6665594	7344406	1731203	---	---	---	1,06	up
6665671	7384509	1830732	---	---	---	1,81	up
6665715	7331413	1699139	---	---	---	1,02	up
6665768	7243647	1482449	---	---	---	1,06	up
6665776	7064468	1042376	---	---	---	1,06	down
6665848	7357103	1762388	---	---	---	1,39	up
6665886	7028624	958005	---	---	---	1,38	down
6665899	7274585	1558790	---	---	---	1,37	down
6665924	7132020	1206309	---	---	---	1,01	down
6666088	7034293	971905	---	---	---	1,15	down
6666120	7037764	980079	---	---	---	1,07	down
6666162	7103811	1137063	---	---	---	1,08	up
6666279	7318143	1668094	---	---	---	1,36	down
6666288	7218259	1418806	---	---	---	1,63	down
6666308	7249737	1496753	---	---	---	1,78	down
6666386	7047865	1005354	---	---	---	1,24	up
6666408	7032618	967305	---	---	---	1,11	up
6666417	7061550	1035303	---	---	---	1,90	down
6666595	7330396	1696401	---	---	---	1,15	down
6666619	7280743	1574489	---	---	---	1,21	down

6666681	7078273	1075822	---	---	---	1,13	down
6666750	7235521	1462149	---	---	---	1,03	down
6666789	7031774	964730	---	---	---	1,63	up
6666805	7243130	1480871	---	---	---	1,07	up
6666826	7176456	1315830	---	---	---	1,10	up
6666960	7337224	1712620	---	---	---	1,12	down
6666972	7112570	1158680	---	---	---	1,17	up
6667016	7267802	1541821	---	---	---	1,00	down
6667022	7267234	1539996	---	---	---	1,13	down
6667062	7062436	1037722	---	---	---	1,82	down
6667131	7180732	1326730	---	---	---	1,13	up
6667655	7191983	1355175	---	---	---	1,13	up
6667663	7156061	1265829	---	---	---	1,07	up
6667718	7280743	1574551	---	---	---	1,29	up
6667898	7038669	982189	---	---	---	1,75	down
6667913	7226241	1437790	---	---	---	1,67	down
6667980	7248004	1492607	---	---	---	1,65	up
6668048	7248790	1494524	---	---	---	1,18	down
6668067	7096859	1119306	---	---	---	1,62	down
6668075	7041584	989460	---	---	---	1,35	down
6668077	7186464	1341356	---	---	---	1,19	down
6668116	7312903	1654107	---	---	---	1,12	down
6668303	7240739	1476007	---	---	---	1,07	down
6668367	7088135	1098384	---	---	---	1,28	down
6668388	7040260	986068	---	---	---	1,38	up
6668589	7217650	1417171	---	---	---	1,17	up
6668660	7052933	1016213	---	---	---	1,38	down
6668717	7092549	1109166	---	---	---	1,24	up
6668769	7147809	1245471	---	---	---	2,08	up
6668814	7293757	1605684	---	---	---	1,59	down
6668971	7176177	1315138	---	---	---	2,30	down
6668999	7319259	1670397	---	---	---	1,02	up
6669002	7297274	1614657	---	---	---	1,05	up
6669028	7321029	1674828	---	---	---	1,14	up
6669037	7177520	1318614	---	---	---	1,00	up
6669053	7238202	1468943	---	---	---	1,23	down
6669100	7101400	1130894	---	---	---	1,57	up
6669138	7086664	1094277	---	---	---	1,59	up
6669336	7336449	1710618	---	---	---	1,10	down
6669357	7350489	1746114	---	---	---	1,06	down
6669460	7331297	1698805	---	---	---	1,41	down
6669535	7294151	1606633	---	---	---	1,15	down
6669569	7235521	1462158	---	---	---	2,73	up
6669591	7087965	1098048	---	---	---	1,07	down
6669640	7141421	1229477	---	---	---	1,41	up
6669702	7303616	1631324	---	---	---	1,08	up
6669918	7280743	1574570	---	---	---	1,06	up
6669924	7082098	1084119	---	---	---	1,10	up
6669933	7356001	1759919	---	---	---	1,29	up
6670052	7112225	1157584	---	---	---	1,02	up
6670175	7188829	1346666	---	---	---	1,18	down
6670270	7068942	1053392	---	---	---	1,06	up
6670449	7314270	1657749	---	---	---	1,06	down
6670531	7039265	983658	---	---	---	1,17	up
6670566	7178060	1320172	---	---	---	1,04	up
6670577	7093936	1112473	---	---	---	1,11	down

6670681	7369781	1795032	---	---	---	1,54	down
6670733	7311218	1650364	---	---	---	1,02	down
6670745	7236254	1464075	---	---	---	1,03	up
6670762	7039223	983551	---	---	---	1,17	up
6670882	7237719	1467506	---	---	---	1,12	down
6670913	7084993	1090673	---	---	---	1,13	down
6671052	7363568	1778133	---	---	---	1,07	up
6671063	7097680	1121735	---	---	---	1,20	down
6671068	7347396	1738484	---	---	---	1,13	down
6671082	7194172	1361160	---	---	---	1,15	down
6671085	7337845	1714333	---	---	---	1,22	down
6671110	7343122	1727742	---	---	---	1,20	down
6671193	7115880	1166830	---	---	---	1,20	up
6671233	7323545	1679928	---	---	---	1,08	up
6671308	7189574	1348702	---	---	---	1,90	down
6671512	7279533	1571917	---	---	---	1,33	up
6671514	7363674	1778415	---	---	---	1,31	up
6671564	7243130	1480852	---	---	---	1,46	down
6671569	7323545	1679922	---	---	---	1,26	down
6671626	7133612	1210209	---	---	---	1,14	up
6671631	7039589	984513	---	---	---	1,73	up
6671843	7253408	1505936	---	---	---	1,20	down
6671874	7255120	1510375	---	---	---	1,21	down
6672053	7095262	1115649	---	---	---	1,37	up
6672156	7064134	1041432	---	---	---	1,32	up
6672217	7058713	1028678	---	---	---	1,04	up
6672390	7312566	1653303	---	---	---	1,06	down
6672490	7243363	1481603	---	---	---	1,51	up
6672537	7277783	1567457	---	---	---	1,50	up
6672586	7368684	1791855	---	---	---	1,21	up
6672846	7363674	1778438	---	---	---	1,79	down
6672981	7067828	1050769	---	---	---	1,66	down
6673022	7038530	981862	---	---	---	1,67	down
6673267	7033672	970342	---	---	---	1,16	down
6673271	7374842	1808994	---	---	---	1,02	up
6673287	7261668	1526982	---	---	---	1,90	down
6673301	7056333	1023703	---	---	---	1,10	up
6673325	7373678	1805858	---	---	---	1,00	down
6673492	7226241	1437767	---	---	---	1,28	up
6673527	7116614	1168800	---	---	---	1,49	down
6673553	7142081	1230975	---	---	---	1,83	down
6673716	7101258	1130574	---	---	---	1,09	down
6673796	7060851	1033401	---	---	---	1,17	up
6673806	7243098	1480754	---	---	---	1,34	down
6673832	7312566	1653307	---	---	---	1,45	down
6673920	7073854	1065631	---	---	---	1,68	down
6673969	7180861	1327187	---	---	---	1,06	up
6673993	7034293	971994	---	---	---	1,17	up
6674021	7052813	1015921	---	---	---	1,25	down
6674088	7257976	1517713	---	---	---	2,55	down
6674139	7045955	1000763	---	---	---	2,54	down
6674196	7358053	1764845	---	---	---	1,40	down
6674202	7050167	1009815	---	---	---	1,18	down
6674210	7036412	976865	---	---	---	1,08	down
6674220	7152726	1257080	---	---	---	1,19	down
6674261	7271128	1550313	---	---	---	1,09	down

6674316	7331297	1698812	---	---	---	1,03	up
6674348	7299512	1620558	---	---	---	1,27	down
6674393	7060851	1033425	---	---	---	1,05	down
6674485	7034603	972877	---	---	---	1,64	up
6674496	7033672	970337	---	---	---	1,29	up
6674594	7199341	1374122	---	---	---	1,03	down
6674617	7064856	1043215	---	---	---	1,61	up
6674666	7323545	1679944	---	---	---	1,05	down
6674710	7069830	1055609	---	---	---	1,26	up
6674719	7033672	970336	---	---	---	1,02	down
6674759	7296860	1613437	---	---	---	5,70	down
6674799	7087805	1097457	---	---	---	1,75	down
6674817	7199476	1374541	---	---	---	1,02	down
6674818	7102369	1133412	---	---	---	1,43	down
6675029	7172373	1305586	---	---	---	1,21	down
6675042	7346066	1735301	---	---	---	1,40	up
6675211	7312566	1653299	---	---	---	1,31	down
6675348	7203872	1384768	---	---	---	1,30	down
6675377	7068853	1053097	---	---	---	1,03	down
6675449	7053874	1018333	---	---	---	1,07	down
6675611	7350237	1745473	---	---	---	1,02	down
6675626	7159177	1273344	---	---	---	1,06	down
6675969	7161841	1279882	---	---	---	2,22	down
6676007	7095956	1117045	---	---	---	1,15	down
6676062	7036412	976874	---	---	---	1,02	down
6676145	7190844	1352111	---	---	---	1,01	down
6676262	7131360	1204972	---	---	---	1,08	down
6676278	7230698	1449064	---	---	---	1,30	down
6676312	7357815	1764132	---	---	---	1,08	up
6676510	7127797	1195852	---	---	---	1,07	up
6676530	7359453	1768453	---	---	---	1,04	down
6676671	7344702	1732143	---	---	---	1,00	up
6676680	7340757	1721885	---	---	---	1,42	down
6676715	7064224	1041786	---	---	---	1,70	down
6677008	7098077	1122798	---	---	---	1,12	up
6677011	7199476	1374531	---	---	---	1,19	down
6677154	7224035	1432383	---	---	---	1,12	down
6677204	7381993	1825217	---	---	---	2,01	up
6677250	7352044	1750004	---	---	---	1,16	up
6677292	7341397	1723636	---	---	---	1,33	up
6677298	7343052	1727548	---	---	---	1,20	up
6677302	7121866	1181877	---	---	---	1,96	up
6677317	7329135	1693492	---	---	---	2,15	down
6677333	7217650	1417162	---	---	---	1,19	down
6677345	7032204	966137	---	---	---	1,41	up
6677386	7231835	1452277	---	---	---	1,22	down
6677390	7196187	1365978	---	---	---	1,24	up
6677438	7064220	1041767	---	---	---	1,00	up
6677448	7247848	1492063	---	---	---	1,23	up
6677458	7344836	1732409	---	---	---	1,03	down
6677502	7086664	1094288	---	---	---	1,05	up
6677616	7182713	1332528	---	---	---	1,49	up
6677621	7323545	1679948	---	---	---	1,45	down
6677659	7052385	1014788	---	---	---	1,04	up
6677706	7249503	1496231	---	---	---	1,55	down
6677809	7127691	1195638	---	---	---	2,16	down

6677830	7384073	1829464	---	---	---	1,10	up
6677859	7367994	1789247	---	---	---	1,07	down
6678069	7338807	1716832	---	---	---	1,36	down
6678086	7163002	1282279	---	---	---	1,18	down
6678105	7092965	1110204	---	---	---	2,09	up
6678148	7093936	1112478	---	---	---	1,15	up
6678190	7217679	1417315	---	---	---	1,54	down
6678198	7188909	1346805	---	---	---	1,16	down
6678255	7033672	970367	---	---	---	2,23	down
6678334	7293757	1605673	---	---	---	1,20	down
6678405	7249503	1496239	---	---	---	1,23	down
6678443	7267380	1540432	---	---	---	1,38	up
6678444	7146982	1243277	---	---	---	1,03	up
6678449	7181169	1328155	---	---	---	1,86	up
6678515	7071264	1059284	---	---	---	2,47	up
6678603	7297589	1615612	---	---	---	1,02	up
6678623	7274892	1559568	---	---	---	1,23	up
6678639	7198274	1371194	---	---	---	1,06	up
6678835	7243647	1482473	---	---	---	1,90	up
6678867	7373417	1805109	---	---	---	1,06	down
6678921	7072552	1062130	---	---	---	1,26	down
6678929	7109424	1151112	---	---	---	2,01	up
6678960	7122486	1183415	---	---	---	1,01	down
6679038	7166497	1290381	---	---	---	1,11	up
6679079	7125348	1190100	---	---	---	1,28	up
6679092	7253272	1505658	---	---	---	1,02	up
6679106	7120010	1177375	---	---	---	1,10	up
6679195	7294151	1606610	---	---	---	1,65	down
6679261	7243130	1480940	---	---	---	1,00	up
6679281	7056333	1023673	---	---	---	1,41	down
6679393	7079600	1078632	---	---	---	1,12	down
6679434	7240569	1475401	---	---	---	1,74	down
6679588	7042382	991295	---	---	---	2,00	up
6679661	7368004	1789335	---	---	---	1,05	down
6679704	7315571	1661003	---	---	---	1,24	down
6679731	7139026	1223491	---	---	---	1,08	up
6680038	7363568	1778134	---	---	---	1,15	up
6680087	7325674	1685228	---	---	---	1,04	down
6680112	7331719	1699915	---	---	---	1,81	down
6680146	7335700	1708717	---	---	---	2,38	up
6680248	7338807	1716800	---	---	---	1,33	up
6680260	7351951	1749842	---	---	---	1,02	up
6680355	7087805	1097456	---	---	---	1,26	down
6680407	7122486	1183421	---	---	---	1,30	up
6680423	7029770	960158	---	---	---	1,14	down
6680453	7303616	1631353	---	---	---	1,24	down
6680471	7329846	1694991	---	---	---	1,87	down
6680577	7344838	1732451	---	---	---	1,47	down
6680667	7329135	1693500	---	---	---	1,02	up
6680779	7189689	1349057	---	---	---	1,45	down
6680841	7344530	1731578	---	---	---	1,23	up
6680848	7189574	1348695	---	---	---	1,03	down
6680879	7222221	1428081	---	---	---	1,29	up
6680925	7074132	1066321	---	---	---	1,40	down
6680929	7211144	1401547	---	---	---	1,32	down
6681053	7102976	1135057	---	---	---	1,08	up

6681087	7243130	1480944	---	---	---	1,02	up
6681243	7248790	1494536	---	---	---	1,09	up
6681368	7243653	1482525	---	---	---	1,05	up
6681402	7241136	1476731	---	---	---	1,09	up
6681411	7301879	1626618	---	---	---	1,36	down
6681601	7322260	1677066	---	---	---	1,00	up
6681672	7291054	1599389	---	---	---	1,21	down
6681675	7358859	1767003	---	---	---	1,04	up
6681731	7148978	1248499	---	---	---	1,08	up
6681793	7096859	1119309	---	---	---	1,79	down
6682039	7099573	1126725	---	---	---	1,37	up
6682066	7053874	1018308	---	---	---	1,27	up
6682078	7248790	1494528	---	---	---	1,04	down
6682120	7249503	1496191	---	---	---	1,06	down
6682259	7298692	1618409	---	---	---	1,30	down
6682286	7049689	1008897	---	---	---	1,33	down
6682380	7099030	1125336	---	---	---	1,91	down
6682432	7243647	1482472	---	---	---	1,10	up
6682434	7096589	1118504	---	---	---	1,72	up
6682673	7228848	1444755	---	---	---	1,03	down
6682707	7156061	1265821	---	---	---	1,15	up
6682750	7244288	1484128	---	---	---	1,07	down
6682770	7030127	960857	---	---	---	1,03	up
6682810	7060851	1033399	---	---	---	1,09	up
6682823	7373633	1805701	---	---	---	1,10	up
6682827	7025652	950322	---	---	---	1,16	down
6682835	7040260	986066	---	---	---	1,23	down
6682843	7045955	1000736	---	---	---	1,18	up
6682855	7037764	980039	---	---	---	1,20	down
6682907	7339379	1718355	---	---	---	1,17	down
6682939	7051009	1011783	---	---	---	1,26	down
6682998	7330238	1695950	---	---	---	1,01	up
6683004	7034293	971945	---	---	---	2,96	up
6683289	7101400	1130919	---	---	---	1,36	up
6683320	7364346	1779979	---	---	---	1,31	up
6683323	7243603	1482283	---	---	---	1,10	up
6683392	7031774	964662	---	---	---	1,29	up
6683450	7049399	1008414	---	---	---	1,03	down
6683495	7373633	1805703	---	---	---	1,38	up
6683521	7331434	1699231	---	---	---	2,99	down
6683531	7211363	1402042	---	---	---	1,28	up
6683626	7233923	1458165	---	---	---	1,88	up
6683638	7170845	1301881	---	---	---	1,07	down
6683723	7069830	1055641	---	---	---	1,19	down
6683819	7084193	1089126	---	---	---	1,06	up
6683962	7312627	1653486	---	---	---	1,49	down
6683967	7087965	1098057	---	---	---	1,22	down
6683981	7334331	1705699	---	---	---	1,28	down
6684136	7373417	1805126	---	---	---	1,72	down
6684151	7364948	1781232	---	---	---	1,10	down
6684211	7036412	976873	---	---	---	1,05	up
6684289	7117832	1171754	---	---	---	2,03	down
6684319	7087282	1096204	---	---	---	1,85	up
6684325	7237132	1466115	---	---	---	1,02	up
6684405	7350993	1747548	---	---	---	1,10	down
6684510	7271128	1550313	---	---	---	1,06	up

6684610	7080731	1080974	---	---	---	1,31	down
6684647	7349643	1744149	---	---	---	1,07	up
6684732	7226241	1437812	---	---	---	1,20	up
6684855	7075424	1069289	---	---	---	1,15	up
6684924	7340304	1720857	---	---	---	1,17	down
6684930	7244288	1484116	---	---	---	1,15	up
6685124	7242451	1479346	---	---	---	1,29	down
6685150	7248790	1494561	---	---	---	1,66	down
6685199	7244288	1484100	---	---	---	2,63	up
6685310	7070616	1057790	---	---	---	1,68	down
6685327	7086966	1095264	---	---	---	1,07	up
6685424	7157341	1269278	---	---	---	1,56	down
6685481	7155286	1263908	---	---	---	1,22	down
6685530	7315206	1660029	---	---	---	1,46	up
6685584	7239752	1473193	---	---	---	1,38	down
6685612	7180949	1327485	---	---	---	1,67	down
6685622	7361420	1773055	---	---	---	1,14	up
6685637	7358859	1767018	---	---	---	2,34	down
6685639	7222221	1428088	---	---	---	1,01	down
6685902	7243647	1482447	---	---	---	1,18	down
6685910	7293234	1604336	---	---	---	1,31	up
6686004	7038530	981858	---	---	---	1,60	down
6686107	7116103	1167604	---	---	---	1,19	up
6686170	7072552	1062125	---	---	---	1,30	up
6686177	7244288	1484127	---	---	---	1,82	down
6686303	7289069	1594419	---	---	---	2,36	down
6686393	7352635	1751443	---	---	---	1,17	up
6686394	7217650	1417198	---	---	---	1,02	down
6686519	7238199	1468930	---	---	---	1,58	up
6686641	7297589	1615678	---	---	---	1,01	up
6686677	7217747	1417472	---	---	---	1,39	up
6686694	7181105	1327962	---	---	---	1,13	up
6686706	7364346	1779998	---	---	---	1,01	up
6686720	7131550	1205567	---	---	---	1,05	down
6686868	7113483	1161019	---	---	---	1,07	down
6687079	7243628	1482366	---	---	---	1,11	down
6687104	7156061	1265816	---	---	---	1,17	up
6687190	7189689	1349038	---	---	---	1,00	up
6687310	7297589	1615635	---	---	---	1,21	up
6687384	7133612	1210295	---	---	---	1,03	up
6687438	7123421	1185811	---	---	---	1,47	down
6687465	7241163	1476819	---	---	---	2,11	up
6687503	7235069	1460993	---	---	---	1,01	up
6687516	7059766	1030975	---	---	---	1,50	down
6687531	7086664	1094266	---	---	---	1,19	down
6687809	7075424	1069291	---	---	---	1,38	down
6687847	7283819	1582120	---	---	---	1,00	up
6687915	7303616	1631388	---	---	---	1,25	up
6688006	7096924	1119611	---	---	---	1,24	up
6688011	7029770	960148	---	---	---	1,03	up
6688017	7362184	1774821	---	---	---	1,00	up
6688088	7280743	1574491	---	---	---	1,03	down
6688155	7265259	1535446	---	---	---	1,15	down
6688301	7071264	1059325	---	---	---	1,48	up
6688324	7284501	1583865	---	---	---	1,67	up
6688351	7067670	1050321	---	---	---	1,84	up

6688667	7301890	1626678	---	---	---	1,10	up
6688749	7198644	1372285	---	---	---	2,20	down
6688761	7186464	1341383	---	---	---	1,09	up
6688922	7052385	1014787	---	---	---	1,02	up
6688981	7297154	1614215	---	---	---	1,17	down
6689023	7330737	1697221	---	---	---	1,39	down
6689042	7121866	1181879	---	---	---	1,14	up
6689085	7239939	1473786	---	---	---	1,17	down
6689093	7249737	1496747	---	---	---	1,39	up
6689118	7322020	1676642	---	---	---	1,17	up
6689225	7329135	1693497	---	---	---	1,59	down
6689563	7188822	1346632	---	---	---	1,04	up
6689572	7290585	1598178	---	---	---	1,04	up
6689616	7329135	1693500	---	---	---	1,06	down
6689665	7043535	994111	---	---	---	1,15	down
6689667	7143904	1235801	---	---	---	1,11	up
6689705	7087965	1098025	---	---	---	1,04	down
6689741	7311218	1650359	---	---	---	1,51	down
6689750	7070616	1057777	---	---	---	1,04	up
6689832	7303616	1631314	---	---	---	1,20	down
6689870	7264274	1533167	---	---	---	1,01	up
6689939	7339110	1717617	---	---	---	1,09	down
6689949	7097525	1121063	---	---	---	1,18	down
6690012	7345465	1733848	---	---	---	1,25	up
6690175	7243653	1482531	---	---	---	1,06	down
6690233	7279793	1572538	---	---	---	1,34	down
6690244	7378637	1817832	---	---	---	1,27	down
6690287	7373678	1805869	---	---	---	1,12	up
6690351	7280743	1574499	---	---	---	1,29	up
6690410	7170764	1301487	---	---	---	1,27	down
6690481	7297274	1614653	---	---	---	1,14	down
6690629	7367994	1789251	---	---	---	1,02	down
6690641	7033337	969492	---	---	---	1,00	down
6690678	7247228	1490516	---	---	---	1,32	up
6690681	7083030	1086260	---	---	---	1,06	down
6690697	7060851	1033431	---	---	---	1,02	down
6690932	7035344	974297	---	---	---	1,59	down
6690962	7294151	1606631	---	---	---	1,04	up
6691033	7030127	960865	---	---	---	1,67	up
6691060	7050780	1011372	---	---	---	1,22	down
6691228	7283819	1582119	---	---	---	1,68	down
6691233	7111244	1155385	---	---	---	1,05	up
6691255	7274892	1559563	---	---	---	1,03	up
6691309	7327169	1688439	---	---	---	2,37	up
6691425	7276231	1563116	---	---	---	1,24	up
6691555	7078273	1075820	---	---	---	1,26	down
6691700	7248964	1494938	---	---	---	1,12	up
6691702	7118356	1173130	---	---	---	1,05	down
6691754	7339110	1717613	---	---	---	1,93	down
6691772	7243130	1480861	---	---	---	1,07	up
6691837	7298008	1616670	---	---	---	1,04	up
6691861	7123357	1185595	---	---	---	2,06	down
6691899	7329846	1695004	---	---	---	2,14	down
6691921	7123357	1185607	---	---	---	1,75	down
6692121	7339286	1718108	---	---	---	1,59	up
6692124	7142081	1230973	---	---	---	1,12	down

6692265	7303616	1631342	---	---	---	1,03	down
6692290	7071264	1059284	---	---	---	1,00	down
6692323	7338807	1716788	---	---	---	1,30	down
6692473	7038530	981870	---	---	---	1,19	down
6692500	7025652	950359	---	---	---	1,29	down
6692558	7060851	1033395	---	---	---	1,14	up
6692763	7116103	1167602	---	---	---	3,14	up
6692766	7247954	1492403	---	---	---	1,07	down
6692811	7055876	1022487	---	---	---	1,06	down
6692816	7112225	1157608	---	---	---	1,00	up
6693091	7261592	1526834	---	---	---	1,09	down
6693151	7156052	1265784	---	---	---	1,37	down
6693238	7316644	1664036	---	---	---	1,12	down
6693246	7254040	1507609	---	---	---	1,01	up
6693270	7377583	1815458	---	---	---	1,63	down
6693279	7039308	983921	---	---	---	1,30	down
6693414	7268693	1544213	---	---	---	3,41	down
6693417	7316644	1664022	---	---	---	1,14	down
6693436	7143904	1235805	---	---	---	2,03	up
6693526	7182713	1332529	---	---	---	1,04	up
6693682	7037764	980097	---	---	---	1,03	up
6693700	7112562	1158610	---	---	---	1,12	up
6693731	7321029	1674832	---	---	---	1,02	up
6693761	7148978	1248527	---	---	---	1,04	down
6693782	7055876	1022469	---	---	---	1,56	down
6693917	7189778	1349289	---	---	---	2,47	down
6694007	7069253	1054175	---	---	---	1,16	up
6694055	7376566	1812878	---	---	---	1,35	up
6694128	7127390	1195048	---	---	---	1,10	down
6694169	7068853	1053102	---	---	---	1,11	up
6694192	7360486	1770995	---	---	---	1,03	down
6694216	7236358	1464249	---	---	---	1,23	down
6694251	7097525	1121039	---	---	---	1,85	down
6694344	7161841	1279879	---	---	---	1,28	up
6694349	7101258	1130582	---	---	---	1,05	up
6694362	7064468	1042347	---	---	---	1,14	up
6694363	7274892	1559565	---	---	---	1,08	down
6694369	7180732	1326732	---	---	---	1,24	down
6694543	7332059	1700732	---	---	---	2,03	down
6694728	7276231	1563096	---	---	---	1,00	up
6694782	7217747	1417499	---	---	---	1,08	up
6694950	7111573	1156022	---	---	---	1,13	up
6695006	7358048	1764807	---	---	---	1,01	up
6695054	7238115	1468666	---	---	---	1,09	up
6695164	7312621	1653463	---	---	---	1,17	down
6695229	7083030	1086258	---	---	---	1,34	up
6695265	7119930	1177214	---	---	---	1,49	down
6695360	7297274	1614649	---	---	---	1,29	up
6695463	7101258	1130557	---	---	---	1,47	down
6695474	7277783	1567440	---	---	---	1,91	down
6695492	7097525	1121054	---	---	---	1,41	up
6695572	7355244	1758143	---	---	---	2,15	up
6695687	7247848	1492068	---	---	---	1,15	up
6695931	7266532	1538307	---	---	---	1,06	down
6695958	7247954	1492401	---	---	---	1,33	up
6695994	7114108	1162444	---	---	---	1,15	up

6696044	7161841	1279877	---	---	---	1,83	down
6696125	7199341	1374130	---	---	---	1,24	up
6696258	7355421	1758515	---	---	---	1,37	up
6696316	7075445	1069346	---	---	---	1,14	up
6696513	7254040	1507608	---	---	---	1,13	down
6696545	7334347	1705780	---	---	---	2,16	down
6696565	7295410	1609773	---	---	---	1,04	down
6696656	7232340	1453526	---	---	---	1,11	up
6696699	7064856	1043215	---	---	---	1,55	up
6696767	7143904	1235807	---	---	---	1,00	down
6696773	7231203	1450444	---	---	---	1,08	down
6696858	7367971	1789109	---	---	---	1,13	up
6696863	7052567	1015279	---	---	---	1,49	down
6697036	7247334	1490820	---	---	---	1,31	up
6697058	7289909	1596509	---	---	---	1,01	up
6697243	7213679	1407136	---	---	---	1,25	up
6697260	7303616	1631328	---	---	---	1,10	up
6697286	7088164	1098481	---	---	---	1,60	down
6697335	7054958	1020582	---	---	---	1,08	up
6697372	7096589	1118516	---	---	---	1,08	down
6697394	7096924	1119617	---	---	---	1,05	up
6697405	7086966	1095283	---	---	---	1,18	down
6697413	7334347	1705776	---	---	---	1,24	down
6697561	7243603	1482260	---	---	---	1,15	up
6697563	7265259	1535437	---	---	---	1,71	up
6697650	7092965	1110179	---	---	---	1,07	down
6697662	7263152	1530377	---	---	---	1,26	up
6697718	7351951	1749824	---	---	---	1,08	down
6697773	7037764	979975	---	---	---	1,28	down
6697787	7209927	1398931	---	---	---	1,08	up
6697843	7182056	1330596	---	---	---	1,10	down
6698057	7086522	1093950	---	---	---	1,57	up
6698130	7241163	1476819	---	---	---	1,08	up
6698262	7145669	1240016	---	---	---	1,10	up
6698366	7158408	1271348	---	---	---	1,10	up
6698499	7369712	1794822	---	---	---	1,20	up
6698538	7092549	1109148	---	---	---	1,55	up
6698566	7211144	1401550	---	---	---	1,83	down
6698667	7149008	1248595	---	---	---	1,32	down
6698714	7278957	1570395	---	---	---	1,10	up
6698755	7059020	1029354	---	---	---	1,24	down
6698762	7113083	1159965	---	---	---	1,01	down
6698887	7070455	1057352	---	---	---	2,05	up
6698905	7099573	1126744	---	---	---	1,53	up
6698967	7369400	1793983	---	---	---	1,22	up
6699052	7060851	1033438	---	---	---	1,86	down
6699069	7069830	1055611	---	---	---	1,16	up
6699179	7211389	1402113	---	---	---	1,12	down
6699408	7181105	1327964	---	---	---	1,01	up
6699441	7374740	1808620	---	---	---	1,57	up
6699459	7070140	1056478	---	---	---	1,03	down
6699570	7303616	1631344	---	---	---	1,05	down
6699591	7236395	1464344	---	---	---	1,39	up
6699645	7274892	1559550	---	---	---	1,10	down
6699646	7336931	1711858	---	---	---	1,07	up
6699735	7253272	1505576	---	---	---	1,65	up

6699749	7297274	1614637	---	---	---	1,22	down
6699851	7273983	1557542	---	---	---	1,04	up
6699930	7183182	1333565	---	---	---	1,19	up
6699938	7243130	1480932	---	---	---	1,17	up
6700195	7248790	1494527	---	---	---	1,32	up
6700224	7199476	1374542	---	---	---	1,04	down
6700264	7217143	1415595	---	---	---	1,03	down
6700314	7359426	1768366	---	---	---	1,64	down
6700335	7321414	1675641	---	---	---	1,04	down
6700371	7359426	1768380	---	---	---	1,11	down
6700609	7092549	1109137	---	---	---	1,05	up
6700688	7360325	1770527	---	---	---	1,31	down
6700692	7071714	1060366	---	---	---	1,09	up
6700751	7314270	1657750	---	---	---	1,39	up
6700776	7257976	1517712	---	---	---	1,09	down
6701177	7235069	1460971	---	---	---	1,51	up
6701203	7297274	1614655	---	---	---	1,21	down
6701219	7142416	1231785	---	---	---	1,62	up
6701309	7196029	1365615	---	---	---	1,20	up
6701343	7249737	1496747	---	---	---	1,12	up
6701349	7277719	1567068	---	---	---	1,04	up
6701379	7243130	1480908	---	---	---	1,57	down
6701446	7076160	1070897	---	---	---	1,06	up
6701514	7295410	1609781	---	---	---	1,03	up
6701562	7099573	1126707	---	---	---	1,02	down
6701588	7236395	1464313	---	---	---	1,58	up
6701640	7121866	1181860	---	---	---	1,19	down
6701725	7303616	1631309	---	---	---	1,10	up
6701808	7245921	1487686	---	---	---	1,07	down
6701896	7284359	1583435	---	---	---	1,02	down
6701925	7287222	1589728	---	---	---	1,07	down
6701935	7280743	1574514	---	---	---	1,23	down
6701952	7248790	1494532	---	---	---	1,07	up
6701978	7200545	1376898	---	---	---	1,57	up
6702014	7329135	1693493	---	---	---	1,10	up
6702062	7147809	1245452	---	---	---	1,09	down
6702063	7373678	1805865	---	---	---	1,06	up
6702213	7083030	1086263	---	---	---	1,19	down
6702232	7112225	1157581	---	---	---	1,11	down
6702293	7315206	1660036	---	---	---	1,04	down
6702308	7349643	1744160	---	---	---	1,09	down
6702358	7358048	1764813	---	---	---	1,68	up
6702419	7056304	1023520	---	---	---	1,24	down
6702452	7273220	1555852	---	---	---	1,01	up
6702498	7054636	1019875	---	---	---	2,16	down
6702864	7297589	1615599	---	---	---	1,11	up
6702955	7316644	1664058	---	---	---	1,19	down
6703041	7159036	1272965	---	---	---	1,01	up
6703087	7312566	1653303	---	---	---	1,59	down
6703112	7196029	1365635	---	---	---	1,43	up
6703116	7263152	1530353	---	---	---	1,19	up
6703249	7129841	1200834	---	---	---	1,01	down
6703337	7098411	1123717	---	---	---	1,09	down
6703401	7380497	1821844	---	---	---	1,22	down
6703407	7073928	1065815	---	---	---	7,09	down
6703600	7068259	1051647	---	---	---	1,19	up

6703687	7075445	1069354	---	---	---	1,24	up
6703767	7330396	1696339	---	---	---	1,01	down
6703800	7116103	1167597	---	---	---	1,66	up
6703801	7095956	1117044	---	---	---	1,17	up
6703967	7050930	1011621	---	---	---	1,03	down
6704038	7189184	1347597	---	---	---	1,43	down
6704063	7067828	1050790	---	---	---	1,02	up
6704227	7127691	1195634	---	---	---	1,08	down
6704347	7193056	1358273	---	---	---	1,11	down
6704373	7369043	1793101	---	---	---	1,09	up
6704487	7249737	1496758	---	---	---	2,44	down
6704498	7376566	1812885	---	---	---	1,14	down
6704528	7125348	1190076	---	---	---	1,05	up
6704544	7071969	1060898	---	---	---	1,37	up
6704550	7238202	1468938	---	---	---	1,34	up
6704561	7340258	1720734	---	---	---	1,77	up
6704602	7221247	1425833	---	---	---	1,14	down
6704707	7162177	1280583	---	---	---	1,04	up
6704708	7107321	1145323	---	---	---	1,05	up
6704727	7254405	1508639	---	---	---	1,41	up
6704730	7038530	981887	---	---	---	1,13	up
6704731	7341397	1723627	---	---	---	1,03	up
6704780	7127540	1195276	---	---	---	1,04	up
6704920	7340125	1720449	---	---	---	1,03	up
6705063	7133749	1210819	---	---	---	1,46	up
6705132	7297589	1615616	---	---	---	1,60	up
6705139	7281507	1576716	---	---	---	1,13	down
6705241	7180861	1327218	---	---	---	1,13	down
6705347	7203872	1384757	---	---	---	1,04	up
6705400	7041609	989589	---	---	---	1,17	down
6705445	7358859	1766998	---	---	---	1,19	down
6705450	7152726	1257079	---	---	---	1,22	down
6705474	7349643	1744141	---	---	---	1,01	down
6705507	7337224	1712623	---	---	---	1,08	down
6705549	7038530	981867	---	---	---	1,55	down
6705580	7043379	993646	---	---	---	1,44	up
6705670	7108551	1148703	---	---	---	1,14	up
6705792	7056333	1023674	---	---	---	1,79	down
6705911	7238115	1468588	---	---	---	1,23	up
6705960	7287222	1589742	---	---	---	1,20	up
6705971	7297274	1614568	---	---	---	1,09	down
6706001	7294151	1606623	---	---	---	1,67	up
6706077	7189669	1348981	---	---	---	1,12	down
6706095	7199476	1374560	---	---	---	1,08	up
6706184	7119179	1174995	---	---	---	1,22	up
6706206	7120039	1177491	---	---	---	1,36	down
6706262	7234425	1459406	---	---	---	2,06	up
6706271	7034293	971945	---	---	---	2,15	up
6706483	7247848	1492073	---	---	---	1,22	down
6706544	7239752	1473174	---	---	---	1,14	down
6706625	7340757	1721886	---	---	---	1,20	up
6706696	7108062	1147192	---	---	---	1,78	up
6706704	7211363	1402049	---	---	---	1,73	down
6706940	7270592	1548561	---	---	---	1,27	up
6707046	7214363	1408956	---	---	---	1,63	down
6707151	7231775	1452135	---	---	---	1,06	up

6707260	7339379	1718361	---	---	---	1,54	up
6707310	7294264	1606843	---	---	---	1,26	up
6707421	7098451	1123807	---	---	---	1,07	down
6707440	7162177	1280583	---	---	---	1,06	down
6707508	7159036	1272921	---	---	---	1,14	down
6707532	7030127	960860	---	---	---	1,48	up
6707694	7316644	1664047	---	---	---	1,12	up
6707778	7059020	1029339	---	---	---	1,80	down
6708067	7067614	1050181	---	---	---	1,15	down
6708131	7279881	1572738	---	---	---	1,01	up
6708196	7331829	1700187	---	---	---	2,82	up
6708348	7237711	1467463	---	---	---	1,29	up
6708360	7181105	1327957	---	---	---	1,73	down
6708381	7243647	1482447	---	---	---	1,05	up
6708477	7245695	1487085	---	---	---	1,32	down
6708484	7314270	1657726	---	---	---	1,20	up
6708496	7363674	1778419	---	---	---	1,29	down
6708523	7376566	1812870	---	---	---	1,34	up
6708561	7068942	1053387	---	---	---	1,06	down
6708576	7239752	1473181	---	---	---	1,31	up
6708615	7294151	1606607	---	---	---	1,98	up
6708658	7080731	1080980	---	---	---	1,32	down
6708705	7243130	1480912	---	---	---	1,02	up
6708757	7064134	1041466	---	---	---	1,35	down
6708831	7114108	1162442	---	---	---	1,38	down
6708849	7222221	1428061	---	---	---	1,15	up
6708916	7287222	1589732	---	---	---	1,04	up
6709049	7157341	1269261	---	---	---	1,02	up
6709231	7177520	1318612	---	---	---	1,21	up
6709240	7049399	1008395	---	---	---	1,36	up
6709449	7281494	1576586	---	---	---	1,39	up
6709608	7112566	1158626	---	---	---	1,01	down
6709678	7209927	1398920	---	---	---	1,13	down
6709754	7087492	1096702	---	---	---	1,02	up
6709755	7206133	1389967	---	---	---	1,08	down
6709791	7190534	1351228	---	---	---	1,37	up
6709808	7233359	1456516	---	---	---	1,37	down
6709823	7203872	1384781	---	---	---	1,05	down
6709829	7344530	1731583	---	---	---	1,18	up
6709965	7233440	1456871	---	---	---	1,14	down
6709968	7192320	1356036	---	---	---	1,35	down
6709970	7376820	1813434	---	---	---	1,90	down
6710036	7249503	1496188	---	---	---	1,05	up
6710070	7069253	1054162	---	---	---	1,66	up
6710158	7314115	1657312	---	---	---	1,29	up
6710206	7263152	1530354	---	---	---	1,12	up
6710252	7235069	1460977	---	---	---	1,09	down
6710289	7297589	1615643	---	---	---	1,38	down
6710388	7039308	983921	---	---	---	1,11	up
6710412	7049399	1008392	---	---	---	1,08	down
6710781	7170764	1301433	---	---	---	1,27	down
6710878	7115880	1166842	---	---	---	1,64	up
6710919	7297589	1615634	---	---	---	1,06	down
6710954	7280743	1574548	---	---	---	1,31	down
6710996	7299512	1620554	---	---	---	1,12	up
6711077	7360486	1770953	---	---	---	1,02	down

6711086	7284359	1583437	---	---	---	1,01	up
6711121	7241136	1476720	---	---	---	2,01	down
6711169	7067614	1050196	---	---	---	1,05	down
6711233	7125348	1190073	---	---	---	1,02	up
6711261	7233440	1456842	---	---	---	1,46	up
6711298	7072765	1062743	---	---	---	1,05	up
6711463	7340990	1722505	---	---	---	1,11	up
6711569	7062173	1036977	---	---	---	1,16	down
6711590	7115880	1166815	---	---	---	1,43	up
6711644	7183182	1333553	---	---	---	1,03	down
6711722	7321029	1674803	---	---	---	1,15	up
6711778	7267380	1540403	---	---	---	1,29	up
6711920	7039223	983572	---	---	---	1,07	down
6711960	7141421	1229479	---	---	---	1,99	up
6712007	7097525	1121060	---	---	---	1,12	up
6712092	7339110	1717614	---	---	---	1,02	up
6712094	7235503	1462084	---	---	---	1,26	up
6712137	7226241	1437769	---	---	---	1,01	down
6712278	7035344	974296	---	---	---	1,07	down
6712757	7277719	1567070	---	---	---	1,30	up
6712770	7368004	1789332	---	---	---	1,10	down
6713026	7276231	1563114	---	---	---	1,20	up
6713053	7330396	1696363	---	---	---	1,26	up
6713321	7161992	1280153	---	---	---	1,65	up
6713366	7299512	1620557	---	---	---	1,21	up
6713379	7280743	1574481	---	---	---	1,45	down
6713427	7243603	1482263	---	---	---	1,02	down
6713433	7263152	1530366	---	---	---	1,45	down
6713435	7277719	1567087	---	---	---	1,10	down
6713516	7030454	961550	---	---	---	1,42	up
6713550	7340125	1720448	---	---	---	3,30	down
6713586	7243603	1482266	---	---	---	1,13	down
6713731	7378997	1818668	---	---	---	1,08	down
6713762	7083160	1086555	---	---	---	2,26	up
6713891	7094139	1112917	---	---	---	1,62	up
6713973	7340057	1720328	---	---	---	1,04	up
6713981	7041609	989552	---	---	---	1,01	up
6714031	7336931	1711897	---	---	---	1,25	down
6714087	7233440	1456869	---	---	---	1,19	up
6714434	7319259	1670400	---	---	---	1,17	down
6714454	7264797	1534434	---	---	---	1,52	up
6714473	7231203	1450444	---	---	---	1,15	down
6714487	7115362	1165593	---	---	---	1,40	up
6714492	7049399	1008348	---	---	---	1,01	down
6714578	7373678	1805874	---	---	---	1,09	up
6714607	7261668	1526981	---	---	---	1,15	up
6714637	7276650	1564132	---	---	---	1,13	down
6714693	7099156	1125643	---	---	---	1,46	up
6714766	7062173	1037017	---	---	---	1,01	up
6714883	7170845	1301886	---	---	---	1,03	up
6714940	7174149	1310534	---	---	---	1,42	up
6715012	7071969	1060897	---	---	---	1,31	up
6715031	7380497	1821839	---	---	---	1,28	up
6715175	7373678	1805872	---	---	---	1,07	down
6715178	7264808	1534473	---	---	---	1,02	down
6715390	7108062	1147174	---	---	---	1,02	up

6715404	7293757	1605687	---	---	---	1,09	up
6715531	7368986	1792868	---	---	---	1,20	down
6715609	7155116	1263425	---	---	---	1,06	down
6715614	7146093	1240939	---	---	---	1,09	up
6715696	7240569	1475496	---	---	---	1,14	up
6715699	7237711	1467466	---	---	---	1,03	up
6715905	7096924	1119611	---	---	---	1,34	down
6715938	7101258	1130579	---	---	---	1,26	up
6715952	7037764	980095	---	---	---	1,33	up
6716027	7196029	1365633	---	---	---	1,04	down
6716101	7224182	1432784	---	---	---	1,01	down
6716165	7349946	1744935	---	---	---	1,03	up
6716308	7364346	1779977	---	---	---	1,64	down
6716312	7086664	1094288	---	---	---	1,35	down
6716393	7100307	1128402	---	---	---	1,30	down
6716428	7198274	1371196	---	---	---	1,52	down
6716574	7195903	1365328	---	---	---	1,10	up
6716639	7068697	1052767	---	---	---	1,06	down
6716701	7206133	1389983	---	---	---	2,24	up
6716702	7239752	1473197	---	---	---	1,08	up
6716769	7156052	1265764	---	---	---	1,11	up
6716778	7167507	1293111	---	---	---	3,61	down
6716788	7248790	1494511	---	---	---	1,02	down
6716796	7092549	1109173	---	---	---	1,09	down
6716818	7118157	1172526	---	---	---	1,12	up
6716845	7117526	1170987	---	---	---	1,59	up
6716897	7101258	1130568	---	---	---	1,26	up
6716961	7161841	1279878	---	---	---	1,28	up
6716973	7092965	1110159	---	---	---	1,01	down
6717016	7344530	1731557	---	---	---	1,22	down
6717086	7050557	1010798	---	---	---	1,65	down
6717112	7090278	1104135	---	---	---	1,04	down
6717272	7343092	1727650	---	---	---	1,31	down
6717289	7321414	1675626	---	---	---	1,14	up
6717335	7092549	1109122	---	---	---	1,29	down
6717380	7206133	1389971	---	---	---	1,05	down
6717523	7189987	1349813	---	---	---	1,06	up
6717525	7075082	1068519	---	---	---	1,57	up
6717544	7211144	1401546	---	---	---	2,08	up
6717554	7303722	1631720	---	---	---	1,32	down
6717584	7184850	1337601	---	---	---	1,01	down
6717595	7198644	1372300	---	---	---	1,16	down
6717752	7236358	1464239	---	---	---	1,18	down
6717807	7213908	1407655	---	---	---	1,52	down
6717894	7148271	1246648	---	---	---	1,12	up
6718020	7179785	1324498	---	---	---	1,08	down
6718141	7364346	1780042	---	---	---	1,55	up
6718173	7043535	994101	---	---	---	1,10	up
6718199	7105814	1141784	---	---	---	1,18	up
6718230	7320337	1673327	---	---	---	1,15	up
6718260	7188822	1346632	---	---	---	1,06	down
6718261	7330396	1696389	---	---	---	1,52	down
6718262	7180620	1326399	---	---	---	1,31	up
6718363	7198325	1371351	---	---	---	1,11	down
6718472	7281140	1575713	---	---	---	1,05	up
6718480	7098126	1122985	---	---	---	1,07	down

6718525	7350993	1747506	---	---	---	1,48	up
6718761	7043535	994086	---	---	---	1,14	down
6718783	7131550	1205571	---	---	---	1,03	up
6719154	7290921	1599078	---	---	---	1,24	up
6719160	7167823	1293896	---	---	---	1,48	down
6719175	7125348	1190099	---	---	---	2,37	up
6719229	7240569	1475519	---	---	---	1,06	down
6719266	7071264	1059296	---	---	---	1,16	down
6719398	7271213	1550644	---	---	---	1,04	up
6719455	7253408	1505950	---	---	---	1,50	up
6719730	7230698	1449061	---	---	---	1,14	up
6719762	7171047	1302367	---	---	---	1,12	up
6719768	7061367	1034850	---	---	---	1,04	up
6720050	7156061	1265830	---	---	---	1,10	up
6720157	7211363	1402064	---	---	---	1,80	down
6720218	7334347	1705775	---	---	---	2,25	down
6720365	7083030	1086271	---	---	---	1,17	down
6720508	7330238	1695937	---	---	---	1,41	up
6720518	7034293	971942	---	---	---	2,21	up
6720594	7357890	1764391	---	---	---	1,29	up
6720709	7192696	1357180	---	---	---	1,59	up
6720729	7384179	1829775	---	---	---	1,29	down
6720731	7157341	1269164	---	---	---	1,02	down
6720747	7284153	1583020	---	---	---	1,98	down
6720782	7236358	1464236	---	---	---	1,28	down
6720797	7222221	1428078	---	---	---	2,21	up
6720895	7068853	1053101	---	---	---	1,35	up
6720923	7079905	1079345	---	---	---	1,14	down
6721093	7142081	1230978	---	---	---	1,27	down
6721110	7350237	1745471	---	---	---	1,17	down
6721120	7307721	1642003	---	---	---	1,01	up
6721152	7384365	1830278	---	---	---	1,07	down
6721200	7064468	1042364	---	---	---	1,04	up
6721224	7133612	1210284	---	---	---	1,93	down
6721239	7170845	1301878	---	---	---	1,52	up
6721336	7268736	1544328	---	---	---	1,08	up
6721458	7058813	1028898	---	---	---	1,18	up
6721484	7070836	1058341	---	---	---	1,17	down
6721554	7071264	1059296	---	---	---	1,10	down
6721558	7278957	1570395	---	---	---	1,03	down
6721599	7033504	969851	---	---	---	1,32	up
6721605	7170845	1301903	---	---	---	1,47	down
6721907	7321414	1675634	---	---	---	1,77	down
6721919	7043379	993645	---	---	---	1,43	up
6722088	7384365	1830288	---	---	---	1,06	down
6722122	7036412	976879	---	---	---	1,62	down
6722150	7131119	1204440	---	---	---	1,26	down
6722153	7152889	1257377	---	---	---	2,46	down
6722180	7070616	1057791	---	---	---	1,38	up
6722338	7070836	1058357	---	---	---	1,45	up
6722346	7088489	1099520	---	---	---	1,05	down
6722382	7232340	1453533	---	---	---	1,25	down
6722403	7256191	1512862	---	---	---	1,16	up
6722644	7186464	1341369	---	---	---	1,54	down
6722765	7034293	971976	---	---	---	1,21	down
6722959	7038530	981866	---	---	---	1,08	up

6723361	7073854	1065633	---	---	---	1,90	down
6723373	7029770	960156	---	---	---	1,23	down
6723399	7320337	1673340	---	---	---	1,18	up
6723554	7295410	1609702	---	---	---	1,26	up
6723591	7070455	1057349	---	---	---	1,04	up
6723730	7258520	1518890	---	---	---	1,01	up
6723911	7083030	1086261	---	---	---	1,42	down
6724093	7236358	1464250	---	---	---	1,23	down
6724125	7371253	1799562	---	---	---	1,18	up
6724165	7373906	1806366	---	---	---	1,24	down
6724173	7206133	1389979	---	---	---	1,11	down
6724223	7088164	1098468	---	---	---	1,04	down
6724235	7193228	1358740	---	---	---	1,48	down
6724430	7265259	1535445	---	---	---	1,06	down
6724468	7131550	1205556	---	---	---	1,79	down
6724482	7331719	1699919	---	---	---	1,39	up
6724495	7295410	1609752	---	---	---	1,25	up
6724546	7380019	1820827	---	---	---	1,20	down
6724559	7056333	1023680	---	---	---	1,12	down
6724630	7189669	1348990	---	---	---	1,14	up
6724766	7275674	1561650	---	---	---	1,12	up
6724839	7083031	1086282	---	---	---	1,26	down
6725081	7376566	1812878	---	---	---	1,58	down
6725090	7132024	1206337	---	---	---	1,52	up
6725117	7233440	1456913	---	---	---	1,01	down
6725141	7358859	1767012	---	---	---	1,47	down
6725199	7097525	1121031	---	---	---	1,45	up
6725260	7240569	1475334	---	---	---	1,22	down
6725268	7274780	1559237	---	---	---	1,16	down
6725298	7192902	1357749	---	---	---	1,53	up
6725321	7154584	1262107	---	---	---	1,26	up
6725326	7336250	1710171	---	---	---	1,13	down
6725357	7148978	1248458	---	---	---	1,12	up
6725387	7340057	1720331	---	---	---	1,39	up
6725711	7060851	1033422	---	---	---	1,09	up
6725728	7080731	1080975	---	---	---	1,38	down
6725823	7034756	973208	---	---	---	1,03	down
6725892	7207069	1392012	---	---	---	1,29	up
6725956	7364346	1779965	---	---	---	1,08	down
6725983	7037235	978573	---	---	---	1,58	down
6726078	7139026	1223492	---	---	---	1,25	down
6726163	7338807	1716826	---	---	---	1,63	down
6726173	7068697	1052765	---	---	---	1,25	up
6726204	7052331	1014567	---	---	---	1,12	up
6726211	7206133	1389971	---	---	---	1,43	up
6726322	7176177	1315135	---	---	---	1,10	down
6726438	7278957	1570394	---	---	---	1,25	down
6726557	7068259	1051623	---	---	---	1,16	up
6726596	7343092	1727653	---	---	---	1,25	up
6726738	7361420	1773042	---	---	---	1,09	down
6726832	7277783	1567455	---	---	---	1,40	up
6726857	7083030	1086254	---	---	---	1,02	up
6726894	7169573	1298391	---	---	---	1,10	up
6726978	7196187	1365964	---	---	---	1,03	down
6727125	7099573	1126737	---	---	---	1,21	down
6727248	7093936	1112478	---	---	---	1,01	down

6727591	7355421	1758522	---	---	---	1,96	up
6727660	7088135	1098419	---	---	---	1,39	down
6727677	7096859	1119295	---	---	---	1,15	down
6727681	7025652	950354	---	---	---	1,75	up
6727728	7094346	1113394	---	---	---	1,11	down
6727865	7299512	1620552	---	---	---	1,28	down
6727873	7281077	1575557	---	---	---	1,17	up
6727890	7210600	1400515	---	---	---	1,06	down
6727941	7301140	1624581	---	---	---	1,13	down
6727974	7080131	1079796	---	---	---	2,26	down
6727983	7339387	1718398	---	---	---	1,04	down
6728212	7052385	1014783	---	---	---	1,00	up
6728216	7083965	1088219	---	---	---	1,45	down
6728258	7181016	1327787	---	---	---	1,20	down
6728301	7025652	950355	---	---	---	1,26	up
6728385	7280743	1574550	---	---	---	1,42	up
6728387	7356115	1760135	---	---	---	1,25	down
6728431	7025652	950296	---	---	---	1,07	down
6728496	7049399	1008359	---	---	---	1,03	up
6728548	7243363	1481603	---	---	---	1,28	down
6728676	7320234	1673038	---	---	---	1,04	down
6728772	7263152	1530351	---	---	---	1,70	down
6728782	7039223	983551	---	---	---	1,13	down
6728886	7156061	1265843	---	---	---	1,10	down
6728894	7049399	1008375	---	---	---	1,23	up
6728919	7287238	1589771	---	---	---	1,20	down
6728930	7297589	1615687	---	---	---	1,28	down
6728967	7353712	1753914	---	---	---	1,33	up
6729037	7062436	1037669	---	---	---	1,12	up
6729073	7346066	1735292	---	---	---	1,17	down
6729084	7316054	1662261	---	---	---	3,61	up
6729175	7280743	1574519	---	---	---	1,28	down
6729191	7312903	1654099	---	---	---	1,10	up
6729216	7127540	1195275	---	---	---	1,32	down
6729300	7233425	1456760	---	---	---	1,05	down
6729369	7070616	1057770	---	---	---	1,22	up
6729426	7339110	1717610	---	---	---	1,12	up
6729449	7284359	1583435	---	---	---	1,02	up
6729658	7217747	1417487	---	---	---	1,64	up
6729690	7068259	1051657	---	---	---	1,14	up
6729794	7240569	1475367	---	---	---	1,04	down
6729973	7268375	1543447	---	---	---	1,53	up
6730053	7378546	1817609	---	---	---	1,20	down
6730135	7231775	1452134	---	---	---	1,14	up
6730234	7095262	1115635	---	---	---	1,02	up
6730325	7365183	1781900	---	---	---	1,01	up
6730383	7243130	1480892	---	---	---	1,18	down
6730571	7040260	986079	---	---	---	1,02	down
6730574	7192696	1357164	---	---	---	1,12	up
6730594	7243130	1480836	---	---	---	1,69	up
6730693	7056333	1023674	---	---	---	1,23	down
6730705	7341397	1723647	---	---	---	1,39	up
6730735	7180732	1326731	---	---	---	1,48	down
6730783	7368613	1791627	---	---	---	1,03	down
6730946	7301140	1624582	---	---	---	1,17	down
6730986	7099517	1126495	---	---	---	1,48	down

6731020	7176456	1315830	---	---	---	1,01	up
6731023	7301140	1624591	---	---	---	1,02	up
6731035	7243647	1482454	---	---	---	1,28	down
6731241	7274892	1559559	---	---	---	1,02	down
6731261	7321029	1674804	---	---	---	1,10	up
6731322	7117526	1170987	---	---	---	1,14	up
6731472	7226241	1437786	---	---	---	1,43	down
6731562	7331719	1699918	---	---	---	1,55	down
6731577	7111573	1156015	---	---	---	1,47	down
6731586	7039223	983554	---	---	---	1,07	down
6731588	7357815	1764124	---	---	---	1,28	down
6731622	7073950	1065927	---	---	---	1,42	up
6731637	7307721	1641991	---	---	---	1,14	down
6731642	7256191	1512862	---	---	---	1,00	down
6731662	7171047	1302367	---	---	---	1,46	up
6731822	7115880	1166832	---	---	---	1,19	up
6731828	7060195	1031972	---	---	---	1,15	down
6731896	7272110	1553074	---	---	---	1,02	down
6731902	7248004	1492563	---	---	---	1,45	up
6731910	7067670	1050308	---	---	---	1,82	up
6731912	7213908	1407732	---	---	---	1,11	up
6732060	7099573	1126743	---	---	---	1,42	up
6732075	7073950	1065899	---	---	---	1,23	down
6732137	7336931	1711853	---	---	---	1,07	down
6732195	7075424	1069280	---	---	---	1,07	up
6732225	7139085	1223672	---	---	---	1,18	down
6732436	7374842	1808987	---	---	---	1,25	down
6732488	7149817	1250307	---	---	---	1,15	up
6732711	7222221	1428057	---	---	---	1,17	down
6732756	7287337	1589991	---	---	---	4,04	down
6732829	7264085	1532719	---	---	---	1,05	up
6733012	7364346	1780007	---	---	---	1,19	up
6733119	7235069	1460969	---	---	---	1,05	up
6733401	7343052	1727538	---	---	---	1,94	down
6733566	7379957	1820631	---	---	---	1,03	down
6733581	7240569	1475486	---	---	---	1,32	up
6734016	7199476	1374549	---	---	---	1,14	up
6734069	7156372	1266715	---	---	---	1,17	down
6734117	7243130	1480874	---	---	---	1,33	down
6734264	7097485	1120945	---	---	---	3,26	down
6734272	7365183	1781921	---	---	---	1,12	up
6734289	7076236	1071211	---	---	---	1,17	down
6734366	7342959	1727344	---	---	---	1,53	down
6734389	7239939	1473789	---	---	---	1,23	down
6734443	7274892	1559564	---	---	---	1,43	up
6734620	7232340	1453520	---	---	---	1,09	up
6734730	7167507	1293135	---	---	---	1,08	up
6734819	7254040	1507577	---	---	---	1,37	up
6734881	7279881	1572739	---	---	---	1,06	up
6734921	7123421	1185811	---	---	---	1,06	down
6734947	7280743	1574539	---	---	---	1,09	up
6734997	7243647	1482482	---	---	---	1,06	up
6735007	7203872	1384778	---	---	---	1,26	up
6735141	7286807	1588817	---	---	---	1,02	down
6735142	7157341	1269149	---	---	---	1,16	down
6735184	7249503	1496233	---	---	---	1,53	up

6735210	7069464	1054652	---	---	---	1,34	down
6735241	7233923	1458163	---	---	---	1,17	down
6735250	7217321	1416033	---	---	---	1,22	down
6735293	7369781	1795033	---	---	---	1,02	down
6735303	7224724	1433961	---	---	---	1,57	down
6735370	7248790	1494555	---	---	---	1,14	up
6735417	7115362	1165608	---	---	---	1,08	down
6735439	7056333	1023674	---	---	---	1,10	down
6735462	7240569	1475472	---	---	---	1,20	up
6735476	7274780	1559225	---	---	---	1,69	down
6735544	7072754	1062656	---	---	---	1,68	down
6735644	7112225	1157549	---	---	---	1,00	up
6735714	7035344	974296	---	---	---	2,09	up
6735822	7330396	1696359	---	---	---	1,23	down
6735836	7133749	1210818	---	---	---	1,23	down
6736022	7100257	1128241	---	---	---	1,21	down
6736180	7248790	1494569	---	---	---	1,49	down
6736193	7293402	1604847	---	---	---	1,33	up
6736222	7273744	1557024	---	---	---	1,44	down
6736277	7176456	1315855	---	---	---	1,12	down
6736472	7138131	1221491	---	---	---	1,21	down
6736604	7049399	1008358	---	---	---	1,04	up
6736621	7232340	1453523	---	---	---	1,04	up
6736661	7344836	1732409	---	---	---	1,07	up
6736690	7364346	1780015	---	---	---	1,43	down
6736766	7222221	1428059	---	---	---	1,07	up
6736774	7213908	1407762	---	---	---	1,64	up
6736775	7198210	1370995	---	---	---	1,13	down
6736865	7171034	1302274	---	---	---	1,09	down
6736967	7321029	1674829	---	---	---	1,15	up
6737105	7319937	1672249	---	---	---	1,12	down
6737171	7025652	950312	---	---	---	1,02	down
6737196	7327169	1688457	---	---	---	1,28	up
6737261	7235069	1460969	---	---	---	1,69	up
6737300	7113483	1161000	---	---	---	1,16	down
6737314	7070616	1057773	---	---	---	1,06	up
6737417	7097525	1121044	---	---	---	1,13	down
6737552	7315571	1660967	---	---	---	1,15	up
6737589	7199476	1374533	---	---	---	1,08	down
6737633	7384073	1829455	---	---	---	1,00	down
6737646	7211363	1402055	---	---	---	1,44	down
6737752	7050557	1010794	---	---	---	1,11	down
6737910	7087965	1098051	---	---	---	1,04	up
6737926	7060851	1033417	---	---	---	1,10	up
6737950	7339387	1718373	---	---	---	1,28	up
6738068	7352635	1751450	---	---	---	1,17	down
6738182	7232029	1452750	---	---	---	1,16	up
6738264	7156052	1265763	---	---	---	1,05	down
6738277	7197820	1370087	---	---	---	1,20	up
6738405	7277783	1567420	---	---	---	3,11	down
6738429	7294264	1606843	---	---	---	1,55	down
6738443	7115362	1165605	---	---	---	1,29	down
6738458	7142770	1232719	---	---	---	1,03	down
6738550	7321029	1674815	---	---	---	2,64	up
6738553	7139026	1223507	---	---	---	1,01	down
6738583	7118196	1172699	---	---	---	1,04	down

6738670	7112566	1158635	---	---	---	1,02	down
6738741	7235076	1461023	---	---	---	1,19	down
6738748	7115708	1166470	---	---	---	1,79	down
6738789	7034532	972655	---	---	---	1,46	down
6738832	7303616	1631310	---	---	---	1,02	up
6739008	7307424	1641139	---	---	---	1,06	up
6739032	7373678	1805854	---	---	---	1,77	down
6739237	7230611	1448824	---	---	---	1,18	up
6739315	7243130	1480823	---	---	---	1,18	up
6739375	7086751	1094623	---	---	---	1,21	up
6739469	7240569	1475358	---	---	---	1,11	up
6739616	7226301	1438070	---	---	---	2,31	down
6739662	7143455	1234736	---	---	---	1,00	up
6739666	7078666	1076526	---	---	---	1,24	down
6739747	7340757	1721888	---	---	---	1,01	up
6739842	7239774	1473320	---	---	---	2,90	down
6739879	7384509	1830738	---	---	---	1,38	up
6740096	7295410	1609685	---	---	---	1,11	down
6740182	7039223	983559	---	---	---	1,31	down
6740458	7069724	1055338	---	---	---	1,20	down
6740460	7084193	1089125	---	---	---	1,49	up
6740475	7214605	1409374	---	---	---	1,22	down
6740535	7068942	1053383	---	---	---	1,21	up
6740606	7058713	1028664	---	---	---	1,33	up
6740697	7092549	1109129	---	---	---	1,50	down
6740740	7372840	1803770	---	---	---	1,13	up
6740796	7037764	980108	---	---	---	2,07	down
6740822	7378997	1818638	---	---	---	1,01	down
6740871	7191983	1355173	---	---	---	1,77	up
6741066	7321029	1674823	---	---	---	1,14	down
6741080	7217650	1417183	---	---	---	1,08	down
6741137	7176409	1315677	---	---	---	1,25	down
6741161	7321029	1674803	---	---	---	1,13	up
6741238	7076236	1071185	---	---	---	1,22	up
6741374	7323560	1680031	---	---	---	1,22	down
6741395	7351949	1749805	---	---	---	1,29	down
6741410	7059375	1030073	---	---	---	1,54	up
6741583	7084993	1090676	---	---	---	1,01	down
6741754	7127540	1195275	---	---	---	2,87	up
6741777	7369706	1794794	---	---	---	1,15	down
6741888	7186688	1341839	---	---	---	1,48	down
6741904	7197056	1367848	---	---	---	1,59	up
6741951	7039223	983561	---	---	---	1,07	up
6741972	7367948	1788968	---	---	---	1,07	up
6742028	7121866	1181876	---	---	---	2,67	up
6742037	7050167	1009826	---	---	---	1,13	down
6742077	7065265	1044561	---	---	---	1,12	up
6742122	7380019	1820832	---	---	---	1,33	down
6742125	7176409	1315677	---	---	---	1,25	up
6742141	7243130	1480905	---	---	---	1,14	up
6742259	7111181	1155235	---	---	---	1,25	up
6742288	7092549	1109150	---	---	---	1,04	down
6742408	7052813	1015919	---	---	---	1,08	down
6742454	7239752	1473161	---	---	---	1,22	up
6742640	7145669	1240006	---	---	---	1,18	down
6742656	7213945	1407837	---	---	---	1,20	up

6742710	7297589	1615680	---	---	---	1,10	down
6742859	7031576	964107	---	---	---	1,24	down
6742957	7037764	980075	---	---	---	1,02	down
6742958	7034756	973223	---	---	---	1,14	up
6742995	7384073	1829468	---	---	---	1,34	up
6743073	7238252	1469270	---	---	---	1,09	down
6743121	7156061	1265818	---	---	---	1,02	up
6743142	7217747	1417495	---	---	---	1,08	down
6743245	7192696	1357181	---	---	---	1,03	up
6743310	7101400	1130913	---	---	---	1,09	down
6743339	7059375	1030068	---	---	---	1,07	down
6743342	7232029	1452788	---	---	---	1,62	up
6743403	7329846	1694992	---	---	---	1,75	down
6743414	7193644	1359708	---	---	---	1,49	down
6743626	7342959	1727353	---	---	---	1,36	up
6743629	7271008	1549963	---	---	---	1,14	up
6743823	7229886	1447144	---	---	---	1,06	down
6743836	7351951	1749837	---	---	---	1,19	down
6743891	7075096	1068576	---	---	---	1,24	down
6743929	7346066	1735284	---	---	---	1,24	up
6743947	7333333	1703403	---	---	---	1,14	up
6744082	7230886	1449515	---	---	---	1,69	up
6744184	7070836	1058362	---	---	---	1,75	up
6744238	7314270	1657736	---	---	---	1,05	down
6744360	7188138	1345047	---	---	---	1,02	down
6744432	7330396	1696336	---	---	---	1,22	down
6744439	7087965	1098041	---	---	---	1,04	up
6744472	7344406	1731265	---	---	---	1,25	up
6744574	7372840	1803777	---	---	---	1,85	up
6744589	7267953	1542230	---	---	---	1,22	down
6744662	7169732	1298700	---	---	---	1,26	down
6744704	7342959	1727353	---	---	---	1,02	down
6744705	7334331	1705688	---	---	---	2,12	up
6744791	7376566	1812871	---	---	---	1,31	down
6744837	7323545	1679958	---	---	---	1,08	up
6744855	7294264	1606843	---	---	---	1,63	down
6744856	7279568	1572040	---	---	---	1,97	up
6744887	7343868	1729856	---	---	---	1,06	up
6745004	7083030	1086264	---	---	---	2,15	down
6745034	7371682	1800783	---	---	---	1,18	up
6745077	7050930	1011614	---	---	---	1,56	up
6745113	7146093	1240933	---	---	---	1,18	down
6745164	7240569	1475459	---	---	---	1,09	down
6745184	7067670	1050334	---	---	---	1,37	down
6745232	7260613	1524293	---	---	---	1,35	up
6745295	7039661	984688	---	---	---	2,30	up
6745307	7062173	1037017	---	---	---	1,06	down
6745349	7253408	1505937	---	---	---	1,04	down
6745511	7249503	1496221	---	---	---	1,16	down
6745512	7132024	1206337	---	---	---	1,81	down
6745572	7350993	1747532	---	---	---	1,16	up
6745605	7174114	1310429	---	---	---	1,08	down
6745732	7297274	1614664	---	---	---	1,61	down
6745824	7174149	1310530	---	---	---	1,06	up
6745830	7380019	1820831	---	---	---	1,16	up
6745840	7198002	1370425	---	---	---	2,23	up

6745860	7319259	1670398	---	---	---	1,17	down
6745876	7253408	1505948	---	---	---	1,58	up
6745934	7047524	1004652	---	---	---	1,03	up
6745948	7297274	1614630	---	---	---	1,19	down
6746070	7240569	1475315	---	---	---	1,21	down
6746072	7363674	1778436	---	---	---	1,04	up
6746287	7233425	1456801	---	---	---	1,36	down
6746330	7213908	1407658	---	---	---	1,00	up
6746426	7351951	1749819	---	---	---	1,45	up
6746608	7303722	1631717	---	---	---	1,05	down
6746618	7198210	1370965	---	---	---	1,40	up
6746675	7316054	1662303	---	---	---	1,70	up
6746676	7253272	1505515	---	---	---	1,36	down
6746746	7243130	1480914	---	---	---	1,03	down
6746765	7340838	1722081	---	---	---	1,05	up
6746770	7217650	1417179	---	---	---	1,37	up
6746793	7240569	1475389	---	---	---	1,01	down
6746801	7344406	1731186	---	---	---	1,12	down
6746829	7094139	1112916	---	---	---	5,32	down
6746969	7037764	979973	---	---	---	1,17	down

Primary rat β -cells were left untreated or exposed to TNF- α +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